



CENTENARY



A Message from the President

Centenary College has a distinguished history: since its founding in 1825 this, the oldest college west of the Mississippi, has established a proud reputation for excellence. And that the faculty and administrators have pledged themselves to "Quality — Touchstone of the Eighties" evidences its continued leadership role in higher education.

But this is also a caring community, and academic quality is part of a concern for each individual student — for the quality of life of the whole person. Our 14:1 ratio of students to faculty members obviously facilitates this: there is time for personal relationships. We care.

Certainly, too, Centenary's life as a Christian college makes this possible. We are a United Methodist college and our links with the Church are healthy and close; at the same time we enjoy the fellowship of students and faculty of many faiths.

I invite you to visit us. This catalogue will give you a fair idea of our life here; but nothing compares with seeing the place and meeting the people. I'd like to welcome you.

Sincerely,

Don Webb





Centenary College of Louisiana

Shreveport, Louisiana 71104

1981-1983 Undergraduate Catalogue



Centenary is an equal opportunity educational institution.

Centenary College does not discriminate on the basis of handicap in the recruitment and admission of students, the recruitment and employment of faculty and staff, and the operation of any of its programs and activities, as specified by federal laws and regulations. The designated coordinator for College compliance with Section 504 of the Rehabilitation Act of 1973 is Mr. Jessie Outlaw.

Centenary College offers admission without regard to color, race, sex, or religion and follows the guidelines for records established by the Family Educational Rights and Privacy Act (1974).



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I. Centenary College

A liberal arts college exists to enhance the quality of life for its students and, through them, for society. The liberal arts, by tradition, free the mind from dogma and intellectual conformity in order that students may realize their fullest potential as individuals.

Centenary College is a liberal arts institution which provides superior education for students capable of intellectual leadership and for those who can benefit from study in an academic community where excellence is encouraged and individuality is respected. Such a community is fostered by the residential nature of the campus, an important factor in the development of the Centenary educational experience.

Centenary seeks to provide its students with a basic understanding of human affairs and problems; to motivate them to think clearly, honestly, and constructively and to communicate effectively; and to introduce them to the art and sciences, that they may enjoy the best of the heritage of civilization.

Centenary places emphasis on preparation for various professions, both those for which a student can be prepared during his undergraduate career and those which require further graduate and professional study.

As an institution of The United Methodist Church, Centenary believes that knowledge and religious faith have to be linked if one is to enhance the meaning of the other. The College strives to challenge its students to serve society by exemplifying the highest Christian ethic. Our educational philosophy is thus supported by and founded on a Judeo-Christian heritage which emphasizes the wholeness of human life, the inter-relatedness of knowledge, and the dignity of man.

Established in 1825 as the College of Louisiana, in Jackson, the school merged in 1848 with Centenary College, which had been founded six years earlier by The Methodist Church in Clinton, Mississippi. In 1908, accepting a generous offer of land and support from the Atkins family and a group of friends, the College moved to Shreveport.

Centenary College is fully accredited by the recognized regional and national agencies and is approved by the University Senate of The United Methodist Church. Centenary is a member of the Southern Association of Colleges and Schools.¹

With a student/professor ratio of fourteen to one, the classes at Centenary range in size from thirty students in popular introductory courses to six to ten students in junior and senior seminars.

Centenary College is especially and justly proud of its faculty, many of whom are nationally and internationally known authorities in their fields of study. Over two-thirds of the faculty hold terminal degrees. Eleven members of the faculty and staff have earned the coveted key of Phi Beta Kappa. Thirteen have the honor of membership in Omicron Delta Kappa.

Within the past decade Centenary professors have been awarded an impressive number of research fellowships and study grants by the American Council of Learned Societies, the American Philosophical Society, the Henry E. Huntington Library, and the National Endowment for the Humanities. (There have been ten NEH awards to Centenary professors.) During that same period, Centenary faculty members have also been honored as Danforth Associates, Fulbright lecturers, national officers in professional associations, and visiting professors in American and European universities.

Shreveport is located on the west bank of the Red River in Northwest Louisiana. The metropolitan area has a population in excess of 300,000 and forms the geographical, cultural, and economic center of the region known as the Ark-La-Tex.

The climate of the area features pleasant spring and fall temperatures, consistently warm summers and mild winters, with cold periods of short duration. The average annual temperature is 66° Fahrenheit. Residents enjoy outdoor sports and recreation throughout the year.

The Shreveport area is a major producer of oil and natural gas.

¹Also, the College maintains membership in the American Association of Colleges for Teacher Education, the American Association of Collegiate Registrars and Admissions Officers, the American Association of University Women, the Conference of Louisiana Colleges and Universities, the Council for Advancement and Support of Education, the Institute of International Education, the Louisiana Academy of Science, the National Association of Schools and Colleges of The United Methodist Church, the National Association of Schools of Music, and the Southern College University Union, Inc. The undergraduate program in chemistry is approved by the American Chemical Society.

Another important part of the local economy is Barksdale Air Force Base, the headquarters of the Eighth Air Force and one of the largest bases of the Strategic Air Command.

The city has many fine medical and health care facilities, including a state medical center, school of medicine, and seven general hospitals.

Centenary College and members of the Shreveport community enjoy joint participation in cultural events. Opportunities in theater, musical events, opera, dance, and the visual arts are offered on and off campus.

The sixty-five acre campus of Centenary College, two miles south of downtown Shreveport, is widely known for its natural beauty and stately Georgian architecture.

Campus Buildings and Gardens

Brown Memorial Chapel. The College chapel was erected in 1955, through the generosity of Paul M. Brown, Jr., Chairman Emeritus of the Board of Trustees, and his brother, Colonel S. Perry Brown, a life member of the Board, in honor of their parents.

Bynum Memorial Commons, the cafeteria, built in 1956, was named in 1974 to honor Robert Jesse Bynum, New Orleans businessman and benefactor of the College.

The Pierce Cline Residence Hall for Men was named for the twenty-ninth President of Centenary and opened in 1963 to house 136 male students.

Crumley Memorial Gardens. These beautifully landscaped gardens, where azaleas bloom each spring, were a 1954 gift of Mr. and Mrs. Howard Crumley in honor of their son, David Howard Crumley.

Frost Memorial Fountain and Rose Garden. This lovely garden, in front of the Student Union Building, was a gift (1954) of Edwin Frost Whited in memory of his grandfather, Edwin Ambrose Frost.

The Gold Dome. Completed in 1971, this excellent physical education facility with the geodesic dome serves as the home basketball court and gymnastics arena for the Centenary Gentlemen and Ladies.

Hamilton Hall, the administration building, also completed in 1971, was largely the result of gifts by Mr. and Mrs. David Philip Hamilton. Mrs. Hamilton was a trustee of the College and a member of the first Centenary class to graduate in Shreveport.

The John A. Hardin Memorial Residence Hall for Women opened in 1958 for 68 women residents; its name honors a former dean and professor of mathematics at Centenary.

The W.A. Haynes Memorial Gymnasium, presently used for intramurals, physical education courses, and other physical activities, was built in 1936; its name honors a Shreveport oilman who was a generous benefactor of Centenary programs in the 1920's and 30's.

The Ed S. Hurley Memorial Music Building was a 1964 gift of Mrs. Hurley in honor of her husband. Mrs. Hurley is a life member of the Board of Trustees.

Jackson Hall. The present structure was erected in 1941 on the site of the first Jackson Hall (1908), both named for the original location of the College.

The T.L. James Residence Hall for Women. This dormitory was a gift of the T.L. James family of Ruston, Louisiana.

The Marjorie Lyons Playhouse, one of the most beautiful and well-equipped college theaters in the country, was a 1958 gift of trustee Charlton H. Lyons and his family.

The John F. Magale Memorial Library, the academic heart of the College, was opened in 1963 and presently has approximately 130,000 volumes and 1,000 paintings and *objets d'art*. In 1974 it was named for Mr. Magale, a Shreveport oilman and major contributor to the College during his lifetime.

The Meadows Museum of Art. In 1976, through a gift of the late Algor H. Meadows, an alumnus, this building, which housed administrative offices from 1925-1971, was transformed into a lovely art center; on permanent display in it is the Jean Despujols Collection of Indochinese Art.

The Joe J. Mickle Hall of Science. Joe J. Mickle was President of Centenary from 1945-1964. The science building was completed in 1950 and named for him in

1964. Also located in this facility are the Computer Center, the Barrow physics laboratories, and the rehearsal hall of the Centenary College Choir. W. Russell Barrow furnished the laboratories in honor of his mother, Addie Johnson Barrow. Trustee Mrs. George M. Anderson furnished the rehearsal hall. In addition, Mr. and Mrs. George Wray were major contributors to the establishment of the building.

The Randle T. Moore Student Center, commonly called the SUB (Student Union Building), was built in two stages: the first, in 1938; the second, in 1958 with the generous support of the benefactor whose name it bears.

The Rotary Residence Hall for Men, built by the Rotary Club of Shreveport in 1926, was remodeled in 1954, and again in 1965. It now houses 136 male residents.

The George S. Sexton Memorial Residence Hall for Women, housing 189 females, was built in 1971 and named for the man who served as President of Centenary from 1922-1932.

The Dean R.E. Smith Building. The Louisiana Conference of The United Methodist Church funded this building in 1961 and named it for Dean R.E. Smith, a Centenary professor of Biblical literature for twenty-nine years. It contains the Nellie P. Kilpatrick auditorium, named for the distinguished lady who was named Honored Trustee by act of the Board of Trustees.





II. Student Life on Campus

Students from all sections of the United States and several foreign countries compose the student body of Centenary College. Approximately 75 percent come from the Ark-La-Tex. Most reside on campus.

Residence Hall Living

The College makes every effort to create an environment for learning that is conducive equally to personal growth and to complete involvement in campus living.

All full-time students, except married students and those living with their families, are required to live on campus and to purchase meals in Bynum Commons. Other exceptions to this requirement are listed in the Centenary College Student Handbook and must be approved by the dean of students.

The five residence halls, three for women and two for men, are all air-conditioned. Rooms are assigned on the basis of applications made each semester. Whenever possible, a student is given a choice of room and residence hall. There is a resident director in each hall, and student resident assistants provide supervised peer counseling, leadership, and direction.

Meals

At times convenient to class schedules, Bynum Commons offers hot meals daily and, with the approval of a physician, a special diet.

Light meals and snacks may be purchased at the snack bar in the Moore Student Center.

Moore Student Center (SUB)

The SUB is at the center of the campus. It houses the bookstore, the post office, faculty lounge, offices for the student radio station (KSCL), the student yearbook (the **Yoncopin**), the Student Government Association, the student newspaper (the **Conglomerate**), and the director of student activities. Also included in the SUB are a lounge area, a game room with coke machines, ping pong, and various electronic games such as pinball, billiards, and bumper pool. The student snack bar (Coffeeshouse) has other games available on a check-out system, such as Clue, cards, Monopoly, chess, backgammon, etc.

The Snack Bar also has a wide assortment of food from sandwiches to ice cream, as well as a wide-screen T.V. with cable.

Student Government

Centenary traditionally has supported and encouraged student government, and students now serve as full voting members on most committees of the College. The College has delegated considerable authority to the Student Senate, the Honor Court, the Judicial Board, and the Dorm Councils. The officers and members of the Senate are the elected representatives of the entire student body.

The Honor System

The Honor System is binding upon all students and is applicable to all academic work. Students administer the Honor Code through an Honor Court of five justices chosen by them from nominations of the faculty and student body.

The Honor System is based upon the premise that honor is fostered, not forced, and that it can be fostered only through the willing and earnest efforts of both faculty and students.

Health Care

All full-time students are covered by an accident insurance policy. Coverage for medical expense for illness, however, must be provided by the individual. Arrangements have been made for students to be seen at a nearby clinic; costs are paid by the individual student.

Counseling

The dean of the College, faculty advisers, dean of students, and staff counsel with students on personal, social, and residence hall concerns as well as on matters relating to the Greek organizations. Also available for counseling of this nature are the chaplain, the director of student activities, and professors in the Department of Psychology.

Independent of the College, but closely associated with it and supported by it, is Open Ear, a telephone crisis-intervention service.

Placement

The Department of Psychology offers testing services for help in clarifying special needs and vocational interests.

The Placement Office, located in the dean of students' office, assists students wishing to explore direct entry into a career upon graduation and to acquire supplementary information on pre-professional preparation.

Students who desire part-time employment on or off campus should see the Placement Office or the director of financial aid.

The Department of Education has a separate office for the placement of teachers.

Religious Services and Organizations

Brown Memorial Chapel offers many opportunities for worship and private meditation. The chaplain coordinates religious services and programs. Other special programs are sponsored by the School of Church Careers.

Centenary students are regular participants in churches and synagogues throughout the Shreveport area.

The Methodist Student Movement is the organized ministry of the United Methodist Church to the campus. At Centenary MSM sponsors regular weekly meetings, films, lectures, discussion groups, and spring and fall retreats which are dedicated to Christian fellowship and to questions concerning the relationship of religious faith to higher learning in the modern college. Programs of a similar nature are also provided by the Canterbury Club (Episcopal), the Baptist Student Union, and the Newman Club (Roman Catholic).

Music

The Hurley School of Music provides opportunities for students to participate in campus music organizations. Instrumentalists may audition for the College Band, the Stage Band, ensembles, and the Shreveport Symphony. Vocalists may find opportunities with the internationally known Centenary College Choir, the Chamber Singers, and the Opera Theater.

Theatre

The versatile Marjorie Lyons Playhouse makes it possible for Centenary to present imaginative and artistic drama and to provide diversified and entertaining dance programs. The Rivertowne Players is the theatrical organization for students.

Special Events

The Senate-sponsored Forums series brings to the campus renowned educators, political leaders, and other public figures. Also, students enjoy guest lecturers and entertainers representing all the arts. All-campus dances, professional entertainment, the Founders' Day picnic, all-campus revues, and all-campus weekends involve the entire community of the College.

Each year through the Willson Lecture Series outstanding lecturers in theology, philosophy, and education are brought to the campus. These guest lecturers are provided through the generosity of Dr. and Mrs. J.M. Willson of Floydada, Texas.

Centenary also participates in the Woodrow Wilson Visiting Fellows Program, which brings two distinguished lecturers a year to the campus. They spend a week meeting classes, eating in the cafeteria with students and faculty, hosting informal sessions with students, and giving an address open to the public. Outstanding diplomats, journalists, corporation executives, and politicians have visited the College in this program, among them Senator Margaret Chase Smith and Lord Caradon.

The Media

Student talent and opinion find expression in the **Conglomerate**, the weekly campus newspaper, and in the **Yoncopin**, the yearbook. Written and edited by students, the **Conglomerate** and the **Yoncopin** are financed by student fees and advertising.

KSCL-FM is the student-managed-and-operated 150 watt radio station broadcasting up to 140 hours per week. The station offers open format, experimental, educational, and public service programming to the South Shreveport community. Also financed by student fees, KSCL-FM meets the requirements and regulations of the Federal Communications Commission governing college stations.

Physical Fitness and Athletics

Centenary provides a broad, general program of physical fitness. Physical activities courses give instruction in individual and team sports. Students are encouraged to participate in both intramural and intercollegiate competition.

In intercollegiate competition for men, the varsity basketball, baseball, cross country, golf, and tennis teams play in Division I of the National Collegiate Athletic Association. Centenary is a member of the Trans-America Athletic Conference.

In intercollegiate competition for women, Centenary is a member of Division II of the Association for Intercollegiate Athletics for Women. Its gymnastics team won the national AIAW title in 1978, 1979, 1980, and 1981. The tennis team won the state AIAW small college championship in 1979 and state and regional AIAW Division II Championships in 1980 and 1981. Their superior record won them a ranking of fifth in the nation in 1980.

Service and Departmental Organizations

There are a number of clubs and organizations through which students may become more directly involved in campus life, including the Biology Club, the Key Club, Sigma Tau Delta literary society, the Math Club, the Physics Club, the Pre-Law Club, and the Psychology Club. There are also many honorary organizations on campus; these are described in the academic section of the catalogue.

Independent of the College, but closely associated with it and supported by it, is a telephone crisis-intervention service called Open Ear. Students participate in several ways, one of the most interesting of which is as actual telephone counselors for the service. Volunteers are carefully trained by professional counselors.

Social Fraternities and Sororities

Greek social organizations at Centenary comprise four national fraternities and three national sororities. The fraternities are Kappa Alpha, Kappa Sigma, Tau Kappa Epsilon, and Theta Chi; the sororities are Chi Omega, Zeta Tau Alpha, and Zeta Phi Beta. Fall Rush initiates a full year of Greek activities coordinated by the Inter-Fraternity Council and the Panhellenic Council.

The Alumni Association

The Centenary College Alumni Association is the organization through which each graduate maintains a lifetime of supportive interest in the College and its

programs and communication with fellow students and faculty. The Alumni Association schedules a number of special programs and events, such as Homecoming and Alumni Weekend.





III. Admissions

Centenary College offers admission without regard to race, sex, handicap, or religious commitment. Students in college preparatory programs of accredited secondary schools, students desiring to transfer from accredited colleges and universities, and students presenting the General Education Degree (GED) are eligible to apply for admission.

UNDERGRADUATE APPLICATION REQUIREMENTS

Freshmen

Admission is based upon academic achievement, scores on the standard college entrance examinations, and personal qualities as demonstrated by information given in the application.

The applicant who is a high school senior must, by the time of enrollment, be a graduate of an accredited secondary school and present 15 units of academic work. Of these 15 units three must be in English, two in history or other social sciences, two in mathematics (one in algebra and one in geometry, or two in algebra, are recommended), and one in the natural sciences. An additional unit of English and two units of a foreign language are recommended.

To be considered for admission, the applicant must submit: (1) a completed application for admission form obtained from the admissions office; (2) a ten-dollar (\$10.00) nonrefundable application fee, and (3) official scores from either the American College Testing program (ACT) or the Scholastic Aptitude Test (SAT).

Upon receipt of the required items, the application is reviewed by the director of admissions and the Subcommittee on Admissions. Normally, the applicant is notified in writing within one week of the admissions decision.

The minimum requirement for admission for students entering College for the first time is a "C" average in all academic subjects and a composite score on the ACT or the SAT which would place the student among the upper one-half of high school students taking the test nationally. The applicant who is unable to meet this requirement but who has a strong desire to attend Centenary should contact the office of admissions to arrange a personal interview.

The applicant who has been offered admission is required to guarantee the intention to register by payment of an advance tuition deposit of fifty dollars

(\$50.00). This deposit is applicable toward tuition for the first semester and remains refundable until June 1, December 1, and May 1 preceding a fall, spring, or summer enrollment respectively. Refunds must be requested in writing on or before these respective dates.

An additional fifty-dollar (\$50.00) room deposit is required of each student planning to live on campus. The room deposit is refundable until June 1, December 1, and May 1 preceding a fall, spring, or summer enrollment respectively. After enrollment, the room deposit remains in the student's account as a warranty against damages to College property. If no damages are assessed, the room deposit is refunded when the student leaves the College, either by withdrawal or upon graduation. The refund must be requested in writing.

All applicants are considered as provisional students until their files are complete, including, in the case of transfer students, receipt of transcripts or records of all study pursued elsewhere. Provisional students may not receive grades or register for additional work until their files are complete.

Transfers

Procedures for application for admission as a transfer from another four-year institution or from a junior college are the same as those stated above. Official transcripts of all college work undertaken prior to transfer must be submitted. Evaluation of transferred study will not be made until all transcripts or records have been submitted. No more than sixty-four hours may be transferred from a junior college. Normally, high school transcripts and test scores are not required of transfer applicants who have earned more than twenty-seven semester hours or their equivalent.

If a student is enrolled at another institution at the time of application to Centenary, admission, if offered, must be regarded as provisional until a final transcript has been received. To be acceptable as a transfer, a student must be eligible to return to his previous institution and must exhibit at least a 2.0 average on the combination of all prior studies at the college level. If a student does not meet the above criteria, he may be admitted on a trial basis by a majority vote of the Faculty Subcommittee on Admissions. Any student admitted in this manner will be restricted to a limited load of courses, and his academic work will be reviewed by the Subcommittee upon completion of the semester. If his academic work is judged to be acceptable, the student will be admitted in good standing. Otherwise, the Subcommittee

may decide to continue the student on a trial basis or deny him future enrollment.

Credit transferred from other institutions is regarded as provisional, pending the successful completion of work at Centenary. Credit is transferred only for work in which a grade of "C" or better (or a "P") has been earned and only for courses which have been approved by the faculty for offering at Centenary, or the reasonable equivalents thereof. Grades from other institutions are not transferred, and cumulative averages are calculated only on work done at Centenary, except for the calculation of graduation honors. A final evaluation of credit earned at other institutions will be made only after the student has been admitted and has paid the necessary fees and deposits.

International Students

Centenary welcomes the applications of students from other countries. Separate application forms and brochures describing the Centenary programs for international students are available upon request.

Foreign Student Admissions Policy

All admissions decisions concerning foreign students should be made by a committee consisting of the Educational Policy Subcommittee on Admissions and the foreign student adviser.

The College adopts as its official policy for foreign student admissions the guidelines published by the American Association of Collegiate Registrars and Admissions Officers in its World Education Series.

The following credentials are required of all foreign applicants to the College:

1. Completed special foreign student application form
2. Certified copies or originals of relevant school records and diplomas
3. Results of the Test of English as a Foreign Language (required only of non-native speakers of English)
4. Statement of financial capability and resources
5. Health certificate
6. Handwritten narrative of proposed program of study in the U.S.
7. Letter of recommendation

The committee uses as its official guidelines in interpreting TOEFL scores the **TOEFL Test and Score Manual** of the Educational Testing Service.

Transient Study

Students enrolled in other colleges may take courses at Centenary in any semester provided they are in good standing at the colleges where they are enrolled as regular students. A formal application and a ten-dollar (\$10.00) application fee are required, along with a letter of good standing from the dean or registrar of the other college.

SPECIAL ADMISSIONS

Additional Requirements in Music

Entering students are given auditions and placement tests in music theory and piano (for non-keyboard majors). For unconditional acceptance as a music major, a student should be able to perform an entrance audition in the major applied area, meeting standards set by the School of Music. Placement tests are administered during freshman orientation each fall, and prior to registration for the second semester. Entering freshmen should consult early with the dean of the School of Music concerning qualifications, auditions, and tests.

Credit in applied music for students transferring from other colleges will be determined by an audition before the music faculty and by progress made during the first semester at Centenary. Also, transfer students should expect to take examinations in music history to determine whether equivalent standards have been met.

Early Admission

Gifted students completing their junior year in high school may apply to the College for admission as full-time students. Students entering under the early admission program do not receive their high school diplomas from Centenary, but begin college-level work earlier than normal.

The requirements for early admission are stringent: three units of English, three of mathematics, two of natural science, and two of social science; the personal recommendation of the high school principal, guidance counselor, and parents, all in writing; junior year ACT or SAT scores showing a high degree of aptitude and verbal skills (a 26 ACT composite or 1150 SAT composite); a three-year high school record of outstanding achievement (3.5 or above in college

preparatory subjects), and a personal interview with the Subcommittee on Admissions, giving evidence of maturity and responsibility.

Concurrent Enrollment

Outstanding seniors who wish to take courses at Centenary while continuing work toward the high school diploma may apply for concurrent enrollment. The standards for admission to this program are the same as for early admission. High school credit for work done at Centenary may be granted only with the approval of the high school.

Juniors in high school who request permission to take courses in summer school should submit an application to the office of admissions accompanied by a letter from one of their high school teachers. These materials will be examined by the Subcommittee on Admissions.

Advanced Placement

Centenary participates in the Advanced Placement program of the College Entrance Examination Board. Subject to the approval of the departments concerned, students who score three, four, or five on the Advanced Placement examinations will be considered for advanced placement or advanced standing, that is, college credit for work done in secondary school.

College Level Examination Program (CLEP)

Centenary College maintains the following policies regarding the College Level Examination Program:

A. General Examinations

1. A student may be awarded up to 24 semester hours of credit through the CLEP-GE by scoring at or above the 50th percentile (combined sophomore national norm for male and female). The distribution is:
 - a. English elective.....3 semester hours
(Does not fulfill distributive requirements.)
 - b. Natural sciences.....6 semester hours
 - c. Mathematics elective.....3 semester hours
 - d. Fine arts elective.....3 semester hours
 - e. Literature elective.....3 semester hours
 - f. Social sciences elective.....6 semester hours

Awarding of this credit will be done automatically by the registrar and is contingent upon the student's successfully completing thirty hours of credit at Centenary College. CLEP credit will not be awarded in any area in which the student has earned academic credit accepted by Centenary. The CLEP-GE may not be repeated for credit.

B. Subject Examinations

1. Credit will be awarded to students who score at or above the 50th percentile on Subject Examinations approved by the department appropriate to the examination.
2. Specific course credit (course title and hours credit) will be awarded by the registrar after consultation with the appropriate departmental chairman.

Credit from all forms of non-traditional work — CLEP, correspondence or extension courses, the Defense Association for Non-Traditional Educational Services of the armed forces, Advanced Placement, departmental proficiency examinations, military service experience and training, and all other — may not exceed forty hours, no more than twenty-four of which may be from any one of the categories listed above.

A separate catalogue is available for persons interested in applying for graduate study in business and education.

FOR FURTHER INFORMATION

Call the Office of Admissions at 318/869-5131 or write to:

Director of Admissions
Centenary College
2911 Centenary Boulevard
Shreveport, Louisiana 71104





IV.
Expenses and
Financial Aid

Centenary College is a non-profit institution. The tuition, fees, and other charges paid by the student cover less than half the actual cost of the educational opportunity. The remainder of this cost is borne by income from endowments and from the generosity of friends of the College and of The United Methodist Church. In this way, the cost to the student is kept at the lowest possible amount consistent with adequate facilities and superior instruction. An excellent program of financial aid is available to worthy and needy students.

Basic Expenses for Fall and Spring Semesters (1981-82)*

These expenses total approximately \$2500.00 per semester (tuition, fees, room, board, and books). Personal expenses are additional.

Tuition: \$1350.00 per semester

Student Fee: \$60.00 per semester
(includes fees for accident insurance, newspaper, yearbook, and radio station)

Surcharge for the School of Music: \$75.00
per semester

Room: Double: \$400.00 per semester
Single: \$550.00 per semester

All rooms are equipped with private telephones. The charge for local service is included in the room rate.

Board: \$550.00 per semester

The tuition and student fees apply to all registration in the normal full-time range of 12 to 18 hours. Any registration for less or more than these limits is charged the tuition rate of \$112.50 per semester hour.

This rate also applies to students in the evening classes offered by the College. Students taking fewer than 12 hours will pay a student fee of \$15.00.

Expenses for the Interim (January, 1982)

Tuition (part-time and transients): \$150.00
per course

Room and Board: Double: \$180.00
Single: \$200.00

*Subject to change for 1982-83

Students not enrolled for classes during Interim but who wish to stay on campus must secure permission from the dean of students. They are required to pay the room and board fee and are subject to all campus regulations. When courses offered at locations other than on the Shreveport campus involve

additional costs for tuition, room, and board, the College may bill the student for such additional amounts when the student registers for the course. In some cases the student may be required to pay charges directly to other parties.

Normally, financial aid will be applicable only to the Interim programs offered on the Shreveport campus. Requests for exceptions must be made in writing to the director of financial aid.

Expenses for the Summer Session (1982)

Tuition: \$75.00 per semester hour

Student Fee: \$15.00

Surcharge for the School of Music \$75.00

Room: Double: \$210.00
Single: \$270.00

Board: \$270.00

The above room and board charges are for the full eight-week session. Charges for a four-week session are one-half of the amounts stated.

Normally, financial aid is not available for the summer session.

Special Fees

Other special and generally non-recurring fees are:

Application fee (non-refundable)	\$ 10.00
Orientation fee (non-refundable)	(Fall) 25.00
	(Spring) 15.00
Change in registration (per change)	10.00
Graduation fee	25.00
Identification card replacement	5.00
Late registration fee	25.00
Parking fee for day students (yearly)	10.00
Room deposit and warranty	
(refundable, subject to damage charges)	50.00
Change of residence hall room	
(after the deadline date to add courses)	10.00
Student teaching fee	125.00
Transcript fee (first copy free) ¹	2.00

A laboratory fee of \$15.00 per semester is charged for each science course requiring use of a laboratory. This fee does not cover charges for breakage.

A nominal charge may be levied for off-campus courses in physical education such as bowling and golf. These charges will be paid by the student directly to

¹Transcripts are not issued during first two weeks of a semester.

the off-campus parties levying the charge.

The tuition surcharge of \$75.00 per semester for students in the School of Music curricula covers all applied music and instrumental rental fees. Non-music majors and part-time students who wish to register for applied music courses will pay \$75.00 for a one-half hour lesson per week, and \$150.00 for a one hour lesson per week. The cost of books, music, and other supplies will vary with the student's curriculum. In most cases the annual expense will be approximately \$175.00.

Payment of Fees

Matriculation in the College is an implied contract by which the student accepts all regulations of the College, including those governing payment and refunds. Charges are made by the semester and they are payable by the semester. Payment of semester charges, or arranging to pay them, is a part of the registration process. Enrollment has not been completed until the student has paid the fees or has made satisfactory arrangement with the business office manager. Students who are more than ten days delinquent in payment of any fees may be suspended from the College. No grade reports or transcripts will be issued until all financial obligations to the College have been met.

There are several acceptable methods of payment:

1. The entire account may be paid on registration.
- 2a. One-half of the charge must be paid on registration and the balance 30 days after registration. This arrangement must be approved by the business office manager on or before registration. There is a charge of \$15 for this method of payment.
- 2b. One-half of the charge must be paid on registration and the balance in two equal installments, one due October 1 or March 1 and the other due November 1 or April 1. This arrangement must be approved by the business office manager on or before registration. There is a charge of \$25 for this method of payment.
- 2c. To meet the additional cost of bookkeeping, postage, and collecting, a late charge will be made when accounts are not paid on the day they are due. A five (5) working day grace period will be allowed from the day a payment is due. At the end of the grace period, all accounts that are then past due will be assessed a \$10 late charge.

3. For each summer session, the entire amount is payable on registration, or the student must pay half on registration and the balance within 10 days of the session. There is a charge of \$10 for this latter method. The late charge policy outlined in 2c above on non-payment at due date will apply.

Withdrawals and Refunds

Failure to attend classes does not constitute a withdrawal. Official withdrawal is the date the student receives the approval of the dean of the college for his withdrawal, and all refunds are based on that date, regardless of the date of last attendance. In addition, there are academic penalties for failure to complete the proper procedures; for these see the appropriate passage in the "College Regulations" in this catalogue.

Prior to obtaining a withdrawal form, students receiving financial aid should consult the financial aid director. A withdrawal form, available at the office of the dean of the College, must be filed immediately by a student who withdraws from the College after he has registered for classes in a regular session, summer session, or interim. The completed form bearing the proper signatures must be filed at the registrar's office.

Fall and spring semester tuition and refundable fees are refunded if the student withdraws on or before the fifth class day after registration. A service charge of \$25 will be made for withdrawal even if the student does not attend class. After the fifth class day, the following policy applies:

1. All fees are charged.
2. Between sixth day of classes and the third Friday after classes begin, three-fourths of tuition is refunded.
3. Between the third Friday and sixth Friday after classes begin, one-half of the tuition is refunded.
4. After the sixth Friday of classes, no refunds are given.
5. After the fifth day of classes, there is no refund for courses dropped while the student continues in other courses.
6. Room rent cannot be refunded regardless of date of withdrawal.
7. Board for that part of the semester which has not been used will be refunded regardless of the date of the official withdrawal.
8. Students who are separated from the College as the result of disciplinary action forfeit all refund rights.

Summer session tuition and refundable fees are refunded if the student withdraws on or before the first Friday of classes. A service charge of \$25 will be made for withdrawal even if the student does not attend class. After the first Friday of classes, the following policy applies:

1. All fees are charged.
2. Between the first Friday of classes and the second Friday of classes for eight-week courses, half of the tuition is refunded.
3. After the second Friday of classes for eight-week courses, no refunds are given.
4. After the first Friday of classes for four-week courses, no refunds are given.
5. Room rent cannot be refunded regardless of date of withdrawal.
6. Board for that part of the semester or summer session which has not been used will be refunded.
7. Students who are separated from the College as the result of disciplinary action forfeit all refund rights.

Student Financial Aid

Many sources of financial aid are available to students who would like to attend Centenary College but who also need help in meeting the involved costs. Approximately 65% of the students presently enrolled at Centenary are receiving some amount of financial aid. Such aid may be in the form of a scholarship, grant, loan, part-time job, or a combination of these. The basis for these awards may be merit, or need, or both.

To be considered for financial aid at Centenary College, a student must complete the following steps:

1. Be accepted for admission to Centenary College.
2. Submit a Centenary College Financial Aid Application to the director of financial aid.
3. Submit a Financial Aid Form (FAF) to the College Scholarship Service (CSS) or the Family Financial Statement (FFS) of the American College Testing Program (ACT).

Upon completion of these steps, a student will be considered for all financial aid sources available at Centenary College. Priority will be given to students who have completed these steps and submitted all requested information by April 15 prior to the academic year for which aid is desired. After this date, consideration will be on a "first come, first served" basis.

Special note: All financial aid awards are made for just one year at a time. Returning students must complete steps 2 and 3, listed above, each spring prior to the next academic year for which aid is desired. Failure to complete these steps by April 15 could result in a reduction or denial of financial aid for the next academic year.

Sources of financial aid available at Centenary College include:

Federal Programs

Basic Educational Opportunity Grant (BEOG)
Supplemental Educational Opportunity Grant (SEOG)

National Direct Student Loan (NDSL)
College Work-Study (CWS)

State Programs

State Student Incentive Grant (SSIG)
Guaranteed Student Loan (GSL)
Vocational Rehabilitation

Institutional Programs

Athletic Grant-in-Aid
Band Grant-in-Aid
Choir Grant-in-Aid
Church Careers Scholarship
Dean's Scholarship
Minister's Dependent Scholarship
Pre-Theological Scholarship
President's Scholarship
Tuition Assistance Loans

Endowed and Annual Gift Programs

(see register in the back of this catalogue)

Detailed information on the above-mentioned programs and necessary forms may be obtained by contacting the financial aid office: (318) 869-5137.

Veterans Benefits: For information, contact the V.A. representative in the registrar's office: (318) 869-5146.

NDSL Repayments: Send payments to the NDSL collection officer in the business office: (318) 869-5125.





V.
Academic
Regulations

Admission to the College and attendance in classes are conditional upon acceptance of and compliance with the rules and regulations of the College as now established or hereafter revised. *It is the responsibility of the student both to know the rules of the College and to abide by them.*

The most important of these rules — those which constitute the very foundation upon which the educational program of the College rests — are contained in the Honor Code of Centenary College. As a condition of admission to and registration in the College, every undergraduate student must agree to comply wholly with the provisions of the Code. These provisions, along with other regulations governing College life are published annually in the student handbook known as **The Centenary College Student Handbook**. The Honor Court also periodically publishes a booklet containing explanations and interpretations of the Code and its implications. Campus parking and traffic regulations are published in another booklet available at the College business office.

For the smooth and orderly completion of the chosen academic program and the requirements of the degrees offered by the College, it is essential for the student to become entirely familiar with the contents of the Centenary College catalogue.

The course offerings, rules, regulations, and fees appearing in this catalogue are announcements. They are not to be construed as representing contractual obligations of Centenary College, which reserves the right to change its courses of instruction, fees, charges for room and board, and general and academic regulations without notice should circumstances warrant in the judgment of the College.

Faculty Advisers

Each student at Centenary College is assigned a faculty adviser whose duty it is to counsel the student regarding a degree program, vocational or professional interests, the course schedule for each session, and progress toward graduation. Each faculty adviser is available for frequent consultation and will call advisees for conferences in case of deficient grade reports and for semester course program planning. Normally, however, it is the student's responsibility to seek advice when needed and there should be no hesitancy in doing so at other than the required times of consultation.

Students normally stay with the faculty adviser assigned to them as freshmen until they declare a major and their files are transferred to an adviser in their major department. However, they may request the of-

fice of the registrar to change advisers at any time; and if another adviser is available, the change will be made.

The faculty adviser must approve, by signature, each student's course program for each semester, including all changes in registration.

Registration

All students are required to register for each session by the end of the formal registration period designated by the College in the official academic calendar. Registration is not complete until the appropriate cards and forms have been completed and all financial arrangements made. A late fee of \$25.00 will be charged for the completion of registration after the final day of registration. No registration is permitted after the date specified in the calendar as the "last day for enrolling or changing courses."

Change of Registration

After registration is completed, a fee of \$10.00 is charged for any change of registration (i.e., for each course dropped, added, or modified) not initiated by the College. A change is initiated by the College when the student is required to make the change by an instructor, an adviser, the registrar, or the dean of the College. Classes may be added only with the approval of the instructor and the faculty adviser, and require the approval of the dean of the College; this may be done only until the date designated in the calendar. Classes may be dropped with the approval of the instructor, the adviser, and the dean until the date designated in the calendar as the "deadline for dropping courses without academic penalty." If students drop a course after this day, they will receive a grade of "F" for the course. This same deadline applies to changing from "credit" to "audit" or vice versa and changing a regular registration to "Pass-Fail" registration or vice versa. Forms for initiation of course changes are available in the office of the registrar.

A student may change from one major or degree program to another at any time with the approval of both advisers concerned. Forms are available in the office of the registrar.

Withdrawal

If it should become necessary for a student to withdraw from the College, he must secure a form for

this purpose and secure the permission of the dean of the College. Permission will not normally be given except in case of emergency after nine weeks of the semester have elapsed. The student must discharge all financial obligations to the College and be cleared by the College library in order to receive the dean's approval. *Failure to attend classes does not constitute withdrawal, and if students leave the College without completing the withdrawal procedures, they will receive a grade of "F" in all courses in which they were registered and will forfeit any right to refund of fees.*

Auditing Courses

Students classified as full-time by the College may, with the consent of the instructor, audit courses free of charge (except if in excess of 18 hours). If they desire the audited course to be recorded on their transcript, they must register officially or audit by private arrangement with the instructor. Upon notification by the faculty member in charge of the course that the student did not actually attend, notation that the student audited the course will be stricken from the record without right of refund of fees.

Persons who are not Centenary students may also audit most courses in the College course-offering (exceptions are performance and execution courses such as those in theatre, art, and music) for a reduced tuition rate. Registration procedures are simplified for students in this program. Consult the office of the registrar for information.

Classification

A "regular student" or "full-time student" is defined as one enrolled in at least twelve semester hours of course work. A full-time student in the summer is one enrolled in at least three hours per four-week term. (To receive full VA benefits on a continuous basis, registration must be for at least six semester hours over eight weeks.)

Regular students are classified as follows: freshmen are those with fewer than twenty-seven semester hours; sophomores, those with twenty-seven through fifty-nine semester hours; juniors, those with sixty through eighty-nine semester hours; seniors, those with ninety or more semester hours.

Course Load

The normal course load is from fifteen to eighteen semester hours. Students on probation are allowed a

maximum of thirteen hours of courses for academic credit and may be allowed to take an additional hour in activities courses, including Cultural Perspectives. Special permission must be obtained from the dean of the College for any student to register for more than eighteen semester hours, and permission will not be given to any student to register for more than twenty-one semester hours. The normal course load for the summer session is six to nine hours; however, permission may be granted by the dean for a maximum of twelve semester hours.

Course Sequence

Courses are numbered as follows: 100's — freshman-level; 200's — sophomore-level; 300's — junior-level; 400's — senior-level. (See p. 30 of this catalogue.) Students should not enroll in courses in the upper division (numbered 300 and above) without having taken the prerequisite lower-division courses. Students wishing to take courses numbered higher than their current classification should consult the chairman of the department concerned.

Courses are also designated as sequential: double numbered year courses, and integrated two-semester courses. (See p. 30) As far as possible, enrollment in these courses should maintain the sequence. Students who have failed a course in such a sequence will not be permitted to enroll in the more advanced course without the express permission of the instructor and the dean. Students who have received an Incomplete grade in a course may, with the permission of the instructor, enroll in the more advanced course.

Class Attendance

The Centenary College faculty and administration believe that regular and systematic class attendance is an important and necessary ingredient of the educational process at Centenary. The College expects students to place a high priority on regular attendance.

It is the responsibility of the individual professor to work out the details of attendance requirements in his classes so as to implement the expectation of the College.

Students at Centenary College are responsible for mastery of material presented in the class sessions of the courses in which they are registered. Members of the faculty are not expected to provide students who absent themselves from class without emergency reason with material (including examinations) covered

in class. Faculty members are expected to inform the dean of students when students are absenting themselves from an excessive number of classes.

Because of Veterans Administration regulations, the faculty must report to the registrar any veteran who is absent in excess of three times the number of scheduled class sessions per week. The registrar will notify the Veterans Administration of the absences.

Convocation Attendance

The College believes that participation in corporate worship and learning of theological and spiritual truths are integral to the education of the whole person and strongly encourages regular attendance at the excellent programs in Brown Memorial Chapel and in Kilpatrick Auditorium. Recognizing the value of the gathering of the faculty, administration, and student body as a campus community from time to time, the faculty has established the period from 11:00 a.m. to noon on Thursday as a period reserved for such gatherings for academic and religious purposes. No other meetings may be scheduled during this period, by either faculty or students. Cultural Perspectives credit is given to freshmen and transfer students for this participation.

Examinations

All students are required to take the written examinations of from two to three hours' duration at the end of the semester in all courses except those in which the material covered does not lend itself to this type of measurement. An exception to this regulation is the senior candidate for a baccalaureate degree whose work is of "A" or "B" quality. In the *spring semester*, if the instructor of the course permits, he *may* be excused from the examination in that course.

Credit

Most courses at Centenary meet either three times a week for fifty minutes each period or twice a week for seventy-five minutes each. Carried successfully for one semester, such courses earn three semester hours each. Courses such as laboratory sciences and activity courses like physical education, musical ensemble participation (e.g., choir, band), theatre productions and performances, etc., earn only one semester hour of credit for three class meetings a week.

Grading System

At the end of each semester, letter grades are given in each course. These grades, their general significance, and their equivalent quality points are as follows:

- A— work of high distinction; four quality points per hour
- B— above average work; three quality points per hour
- C— average work; two quality points per hour
- D— passing work, but below average; one quality point per hour
- F— failing work; no credit, no quality points; hour credit counts as work attempted in calculating averages
- P— the passing grade recorded when a student takes a course under the Pass/Fail system (see below); no quality points; the credit given is not used in calculating averages
- I— Incomplete work, given only when emergency prevents the student from completing final examination or other concluding work of the course at the scheduled time. This temporary grade must be removed by completion within one semester of the time it is assigned, or it is automatically converted to a permanent "F"
- W— Withdrawal; no credit, no quality points (see section entitled "Withdrawal.")

Each mid-semester, instructors report to the dean of the College all grades averaging below "C." These are not permanent grades, but are used as warnings that improvement is necessary. Both faculty advisers and students receive these deficiency reports; and students receiving such reports should immediately consult their advisers.

English Proficiency

In the evaluation of all academic exercises the quality of English used by the student will be considered. Every student in every course is expected to use English that is grammatically correct and logically sound. Failure to meet recognized standards of English composition may result in a lower grade in any course.

Repeating Courses

Students who have earned a grade of "D" in a course may repeat the course to improve their grade. Hour

credit toward graduation is earned only once, even though reflected twice in the total hours attempted; both grades are used in the calculation of cumulative averages.

Pass-Fail Courses

Students who have attained sophomore standing may register for courses in such a way that degree credit is earned but quality points are not assigned. The usual credit will be given if the course is successfully completed, but the grade will be recorded simply as "P," and the cumulative grade point average is not affected. If the course is not successfully completed, a grade of "F" is assigned; and the cumulative average will reflect the failure.

With the exception of interim and internship courses, no more than eighteen semester hours taken under the "Pass/Fail" system may be attempted toward graduation requirements. Courses may not be taken "Pass/Fail" in a student's major department except for interim and internships that are approved by the department.

Students should be aware of the fact that some graduate schools when reviewing transcripts may consider a grade of "P" as equivalent to a "C" grade.

Academic Standing

To be in good academic standing at Centenary the student must meet the following requirements:

- (1) Maintain a grade point average of not less than:

1 through 26 hours	1.6
27 through 59 hours	1.8
60 or more hours	2.0

Hours on the left refer to the total number of hours attempted before the beginning of a semester. Grade point average is computed by excluding all work with the designation "P" or "I."

- (2) Pass a minimum of nine semester hours each regular semester, except that first-semester freshmen are required to pass only six semester hours.
- (3) A part-time student must meet the minimum grade point average requirement.

Academic Probation

A student may not normally remain on academic probation for more than two regular semesters.

However, a student may be continued under academic probation for additional semesters if during the second and subsequent semesters under probation:

- (1) a minimum of nine semester hours is passed, and
- (2) the total grade point average for the semester is a minimum of 2.3, or
- (3) a minimum of 2.3 for the current semester is maintained if fewer than twelve hours are taken.

A student will neither be placed on nor removed from probation during a summer or interim semester.

In a regular semester, students on probation are allowed a maximum of thirteen hours of courses for academic credit and may be allowed to take an additional hour in activities courses, including Cultural Perspectives. During the summer session the maximum load is six hours.

A part-time student on probation should consult the registrar before enrolling.

Academic Suspension

Suspension is automatic for the student who is placed on academic probation for a second regular semester and fails during this or a subsequent semester to:

- (1) raise the over-all grade point average to 1.8 if fewer than sixty hours or 2.0 if sixty hours or more have been attempted; or
- (2) pass a minimum of nine semester hours and attain a grade point average of 2.3 for all hours attempted during the semester, or
- (3) make a 2.3 for all hours attempted, if taking fewer than twelve hours.

Suspension is for a minimum of one regular semester. A student under suspension may not count the summer or interim semesters as fulfilling the one regular semester requirement, nor attend the summer or interim while under suspension.

After this minimum period of suspension the student may apply for readmission to the College. Readmission is not automatic; but if granted, the student is readmitted under academic probation and will be automatically dismissed in any semester in which the guidelines under "Dismissal" are not met.

Academic Dismissal

A student who has been suspended and readmitted on academic probation will be automatically dismissed in any semester in which:

- (1) a grade point average of 1.8 is not achieved if fewer than sixty hours or 2.0 if sixty hours or more have been attempted; or
- (2) nine semester hours are not passed with a grade point average of 2.3 or higher; or
- (3) a 2.3 for the current semester or requirements in (1) are not met if enrolled for fewer than twelve semester hours.

A student who is dismissed may after an interval of three years apply for readmission, which may or may not be granted, nor will the College entertain petitions from a student who has been dismissed.

Major Fields and Degree Plan

As early as possible after deciding upon a major field students should, in consultation with their faculty adviser, plan the remainder of their degree program, so that they may proceed in an orderly way to meet major and degree requirements. Students are required to file their degree plan, approved by their adviser and endorsed by the registrar, in the office of the registrar before the end of the first semester of the junior year. Junior and senior transfers shall file a degree plan before the end of their first semester of residency. Most students find it advisable to file a degree plan upon declaring a major.

A major consists of courses within one department totaling from twenty-four to forty-five semester hours plus courses in one or more related subjects. Although there is no limitation on credit allowed for major and supportive hours, no more than forty-five hours in the major may be included within the total of 124 hours required for graduation. (The hour limitations above do not apply to the B.M. degree.)

A student who transfers more than one half of the upper-division courses required in the field of his major must complete additional hours at or above the 300-level in this major as determined by the chairman of the department concerned.

Time Limit

If a student does not complete degree requirements within seven years after matriculation in this or another collegiate institution, he must complete an additional twelve semester hours at or above the 300 level in his major subject; except that a student who attempts to complete degree requirements entirely by part-time attendance may be exempted from this requirement on recommendation of his major department chairman.

Degree Requirements

To qualify for the baccalaureate degree at Centenary students must:

1. Earn no fewer than 124 semester hours, six of which must be earned during January Interim studies, but no more than six may be counted toward the 124 hours required. (Students in 3-1 and 3-2 pre-professional programs will meet only the Interim requirements of the program.) No more than eight hours may be earned in activity courses.* The last thirty semester hours required for graduation must be taken in residence. No graduate course may be counted toward the 124 hours of undergraduate credit needed for graduation.

*P.E. 101-102, 201-202, 211; Theatre/Speech 104 through 107; P.E. and Theatre/Speech 121 through 126; Music 151 through 160; Military Science 101, 102, 201, 202, 311, 312, 411, 412.

2. Meet the basic requirements for the degree to be earned.

3. Meet all the requirements for a major field of study.

4. Maintain a grade point average of 2.0 or higher in all courses taken in the department of the major, and of 2.0 or higher in all work taken in the College.

5. Have filed a degree plan in the office of the registrar before the end of the first semester of the junior year. Junior and senior transfers shall file a degree plan before the end of their first semester of residency.

6. Discharge all financial obligations to the College.

7. Meet the requirements of a catalogue published in one year of his attendance and within five years of the proposed graduation date.

8. Be present at the Commencement exercises to receive the degree conferred.

9. Complete English 101-102, Grammar and Composition I and II. All entering freshmen and all transfer students who do not offer transferable credit in English 101-102 are required to register immediately for the sequence English 101-102. Any student who fails either of these courses must register for the course he failed in each subsequent session until he has passed it. Students who are placed in English 100, Fundamentals of Grammar, must register immediately for that course and must pass it before taking English 101. English 100, English 101, and English 102 may not be dropped. English 101-102 may not be taken pass-fail. A "P" in English from another institution will not transfer except by petition. For information concerning exemption from English 101, see course description on p. 45. Students whose native language is not

English should consult the chairman of the English Department.

10. Complete General Education 101-102, Cultural Perspectives. Required of all freshmen and other entering students.

In addition, all candidates for bachelor of arts and bachelor of science degrees must satisfy the following curricular requirements:

A. Of the 124 semester hours offered in satisfaction of the graduation requirements, at least thirty must be numbered 300 or above.

B. At least nine semester hours from each of the following divisions of the curriculum, including at least three semester hours from each of the subdivisions:

I	II	III	IV
A. Sciences	A. Art	A. Religion	A. Political Science
B. Mathematics	Music	Philosophy	Economics
	Theatre	B. History	B. Sociology
	B. English or Foreign Literatures		Psychology

NOTE: Not all courses may be used to fulfill the distributive requirements of section B above. No internship or practicum may fulfill distributive requirements. The following have been approved by the Educational Policy Committee for satisfaction of the requirement:

ART: 101, 102, 103-104, 105-106, 107, 211, 212, and 305.

BIOLOGY: All courses except 400.

CHEMISTRY: All courses except 400.

ECONOMICS: All courses except 301-302; note that only economics courses, not business courses, may be offered.

ENGLISH: All courses except 100, 101, 102, 207, 251, 309, 310, 352, 353, 354, and 400.*

FOREIGN LANGUAGES: Spanish 208 and all courses numbered 300 and above, except 400, Spanish 305 and 307, and French 305.

GEOLOGY: All courses except 201, 302, 303, and 405.

HISTORY: All courses except 441.

MATHEMATICS: All courses except 223, 324, 400, and 401.

MUSIC: 111-112, 141-142, 143-144, and 170. (If 170, it must be for a total of four semester hours.)

PHILOSOPHY: All courses.

PHYSICS: All courses excluding engineering courses.

POLITICAL SCIENCE: All courses except 214, 303, 401, 402, 421, and 441.

PSYCHOLOGY: All courses except 214, 221, and 303.

RELIGION: All courses except 203, 212, 300, 301, 308, 309-310, 314, 316, 318, 410, 411, 413, and 415.

SOCIOLOGY: All courses except 214, 231, 303, 410, and 415.

THEATRE/SPEECH: Only 111, 112, 250, 307, and 308.

*Neither do they apply to the literature requirements of the Liberal Arts major.

Interim Studies

Nearly every department of the College will from time to time offer a course or courses during the January Interim Studies Program, which are listed in the catalogue as 1-99 with topics varying from year to year. The purpose of the program is the enrichment of the liberal arts curriculum by concentrated study for a short period on topics of general or specialized interest not normally offered in courses. Many of the courses will involve study off the campus, either at other institutions or in the field.

Announcement of the courses to be offered will be made at fall registration preceding the Interim, and registration for 1-99 courses will be held before the close of the fall semester. Junior and senior transfer students must complete one Interim Studies course. Freshman and sophomore transfer students must have two Interim Studies courses. Centenary will accept as many as two Interim courses from other institutions, provided such courses have clearly been taken as Interim courses as defined by our own regulations. All non-transfer students must submit six semester hours of Interim credit for graduation. As set forth above, no more than six hours of 1-99 courses may be counted toward satisfaction of the minimum 124 semester hour requirement for the degree; but students who exceed the minimum may of course register for additional Interim Studies. Students may take only three semester hours during the Interim. Each course is designed to occupy the student's full time in class, study, research, and independent projects. Interim Studies courses cannot be used to fulfill distributive requirements. With the approval of a student's major department, Interim Studies courses may be used to fulfill a major requirement.

Double Majors

A student who satisfies all requirements of more

than one major may have both majors entered upon his transcript and diploma. However, a student who selects two major fields of study which involve more than one degree must select the degree and the major he wishes to appear on his diploma, but both degrees and majors will appear on his transcript. No student may receive more than one degree or more than one diploma at any Commencement.

Second Degrees

To qualify for a second baccalaureate degree, a graduate of Centenary must present thirty additional semester hours. A student with a baccalaureate degree from another institution must meet all distributive requirements, either by acceptable credits transferred from the first degree or by work at Centenary, and successfully complete thirty semester hours, twenty-four of which must be in residence. Students must meet the degree requirements numbered 2 through 6, and 8 listed on p. 23, and meet all requirements of the catalogue of the year they enrolled for the second degree and complete them within five years. No student is eligible for more than two undergraduate degrees at Centenary. Students who have earned one degree are not eligible for any institutional awards. These policies apply to all students, including transfers.

Students may take a maximum of six semester hours "Pass/Fail." However, the total number of "Pass/Fail" hours under both first and second degrees may not exceed eighteen semester hours. (See exceptions under "Pass/Fail Courses.") Students wishing to apply to a second major a Pass/Fail course taken under the first degree should consult the chairman of their major department.

Correspondence Credit

Centenary College does not offer correspondence courses, but a limited amount of elective credit may be earned by correspondence study with accredited colleges and universities. Centenary will accept only those courses which the college or university offering the correspondence study will accept toward its own baccalaureate degree. Neither courses in the student's major field nor courses offered in satisfaction of distributive requirements may be taken by correspondence.

Taking of courses by correspondence for Centenary credit is permitted only by special arrangement with

the dean of the College, and students taking such courses may have to pass a special examination at the dean's discretion or that of the chairman of the department in which the student is majoring.

Summer Sessions

Students who plan to attend summer school elsewhere and to transfer the credit to Centenary need not have formal permission to do so, but are advised to consult their faculty advisers and/or department chairmen with regard to the courses proposed. Students are specifically warned that Centenary is reluctant to grant transfer credit for courses taken at junior colleges which are numbered as upper-division courses at Centenary.

Academic Petitions

All academic regulations are formulated by the faculty to serve the best educational interest of the greatest number of students. Centenary College takes pride in its ability to serve the individual needs of its students, and its faculty has therefore established a procedure to act on the requests of students for exception to, or waiver of, academic regulations that seem inimical to their academic needs. Forms for filing a petition may be obtained in the office of the dean of the College.

ACADEMIC HONORS AND ORGANIZATIONS

Graduation Honors

The baccalaureate degree is awarded with special distinction to graduating seniors with cumulative averages of 3.5 or better. Candidates with averages between 3.5 and 3.69 are graduated cum laude; those with averages between 3.7 and 3.89, magna cum laude; and those with averages 3.9 and above, summa cum laude. If a student has attended another institution and on the basis of work done at Centenary would be eligible for graduation honors, the registrar will compute the overall average of all work attempted at Centenary and elsewhere to determine eligibility for graduation honors. If the overall average is higher than the Centenary average, the Centenary average will be used to determine which honor is given.

Dean's List

Students who have achieved a grade point average of 3.50 or better in twelve or more semester hours taken for a letter grade are accorded the academic honor of being on the "Dean's List."

Departmental Honors

Many academic departments at Centenary offer Honors Programs to interested students of outstanding ability. These programs have been designed by the different departments and approved by the Educational Policy Committee. They may include opportunities for independent study plus papers, research reports, and/or showings or public performances in the case of honors work in the arts. To be eligible for admission to candidacy for honors, a student must have attained a grade point average of at least 3.0 in both major and non-major subjects; have attained junior standing and at the time of admission to the program normally have earned more than half of his credits in work done in residence at Centenary, and have his candidacy for honors approved by his major department and the Educational Policy Committee. To qualify for honors a student must spend a minimum of two semesters in the program and maintain an average of at least 3.0 in both major and non-major subjects.

Attainment of departmental honors through successful completion of this program does not supplant traditional graduation honors (see below). Thus a student may graduate "Bachelor of Science with Honors in Mathematics magna cum laude," or "Bachelor of Arts with Honors in English," or "Bachelor of Science in Biology summa cum laude."

Interested students should consult the chairman of their major department for specific information.

Special Program for Independent Study

A student who completes the first year of full-time study with a grade point average of at least 3.0 may apply for permission to design the remainder of a degree program within the guidelines of the Special Program for Independent Study. Application for admission to this program is made to the Educational Policy Committee. Admission to the program requires that during the freshman year the student must have demonstrated evidence of sufficient self-discipline to perform in a program of this type and have displayed an interest beyond that of the ordinary student, for example, by completing work beyond the regular class

assignments and requesting supplemental reading in particular areas of the course. If the Committee approves the student's application, it will appoint a supervisory committee consisting of the dean of the College, one member from each of the three academic divisions, and a member from the department of the student's major interest. The student will work with this committee for the remaining three years of study, nor subject to any further distributive requirements, nor the requirements of any regularly constituted major, except as the supervisory committee may direct.

More information about the program may be obtained from the Educational Policy Committee or the dean of the College.

Honor Societies

The highest academic recognition that can come to a Centenary student is election to Alpha Chi, national scholastic honor society for juniors and seniors with a 3.5 cumulative average. Membership in the Maroon Jackets is another of the high honors that can be bestowed upon a Centenary student. The Maroon Jackets are selected from among students who will be entering their final year, who have excelled scholastically (3.0 average required) and have shown outstanding leadership and service to the College. They are the official hosts and hostesses of the College, representing Centenary at all functions of major importance. Omicron Delta Kappa, national honorary fraternity for men and women, recognizes leadership, scholarship, and service in various fields of activity. Outstanding students are elected to this fraternity from the junior and senior classes by members of the circle.

A number of honorary fraternities and service organizations which recognize scholarship in a particular field have chapters on the Centenary campus. These include: Alpha Epsilon Delta, a national honor society for premedical students who have a 3.0 average; Alpha Sigma Chi, society of chemistry upperclassmen who have a 2.5 cumulative average and a 3.0 average in chemistry; Sigma Gamma Epsilon, honorary fraternity for students with a 3.0 cumulative average in 10 hours of geology and 2.0 overall average; Sigma Pi Sigma, honorary physics fraternity for students with a 3.0 average and three hours of advanced physics; Kappa Pi, national art fraternity; Phi Beta, national speech and music fraternity; Alpha Kappa Delta, National Sociology Honor Society.



VI. Courses of Instruction

Degree Offerings

Centenary College offers three undergraduate degree programs, one leading to the Bachelor of Arts, another to the Bachelor of Science, and a third to the Bachelor of Music.

B.A. degree programs include the following majors:

Art	Liberal Arts
Biology	Mathematics
Chemistry	Music
Christian Education	Philosophy
Economics	Physics
English	Political Science
Foreign Languages (any major-minor combination of French, German, Latin, and Spanish)	Psychology
French	Religion
Geology	Sociology
History	Spanish
	Speech
	Theatre

B.S. degree programs include the following majors:

Accounting	Geology
Biology	Mathematics
Business	Physical Education
Chemistry	Physics
Elementary Education	
B.S., B.A. combined degree in Engineering	

B.M degree programs include the following majors:

Performance
Music Education
Sacred Music

Liberal Arts Major

Students who do not wish to concentrate in a single discipline may elect to major in the "Liberal Arts," and under the guidance of a faculty committee select three or four departments in which they will complete the requirements of this major. In addition to the general distributive requirements, such students must complete work in a foreign language through the intermediate level and forty-eight hours in the three or four major departments selected with a minimum of twelve hours in each of the departments. These departments must represent more than one of the academic divisions of the College. Twenty-four of the major hours must be at the 300 level or above, and none of the forty-eight may be used to fulfill distributive requirements. See p. 24 for a listing of English courses which will not count toward the literature requirements of the Liberal Arts major.

The student wishing to pursue the B.A. degree in Liberal Arts must apply to the dean of the College for admission.

Academic Programs

Centenary is primarily a liberal arts college; it is, nonetheless, sensitive to the special professional and vocational needs of its students during the 1980s. With these needs in mind, the College offers a variety of programs specially designed to provide students the requisite training in a particular field so that they will have, upon graduation, a choice of options such as graduate study, additional professional training in a business or industry, or direct entry into a career.

A program, defined in terms of these special needs is a formalized body of academic courses and practical field opportunities intended for the student who wishes to explore pre-professional preparation or to enter a career directly upon graduation. The academic and practical experiences are designed to assist the student in developing skills, insights, practical information, and academic background that relate to definite career choices.

Students interested in a program apply to the program coordinator for a plan of study and field experiences. Students may enter a program no earlier than the sophomore year; normally, field experiences will not begin until the junior year. Programs and majors should not be confused; they are two different entities. The course work in any program does not constitute a major. For example, elementary education is a major; secondary education is a program; biology and chemistry are majors; pre-medicine is a program; Christian education is a major; church careers is a program.

While Centenary College encourages participation in a program, it is possible for a student to have a major and not be enrolled in a program. However, it is not possible for a student to receive a degree from Centenary College solely by participating in a program; he must also have a major.

Pre-Professional Programs

Certain programs are designed to prepare the student for graduate and professional school. The following is a list of the current pre-professional programs and program coordinators:

Church Careers	Dr. Donald Emler
Dentistry	Dr. Rosemary Seidler

Engineering	Dr. Warren White
Forestry	Dr. Bradley McPherson
Law	Mr. Jos. Koshansky
Mathematics/Computer Science	Dr. David Thomas
Medical Technology	Dr. Bradley McPherson
Medicine	Dr. Rosemary Seidler
Pharmacy	Dr. Bradley McPherson
Physical Therapy	Dr. Bradley McPherson
Theology	The Reverend Robert Ed Taylor
Veterinary Medicine	Dr. Bradley McPherson

The Program for Church Careers (The Centenary School of Church Careers)

The Church Careers Program prepares men and women for vocations as skilled church professionals. Churches of many denominations actively recruit graduates certified by the Program. Students are prepared for work in Christian education, sacred music, counseling, youth work, children's work, church social work, certain areas of religious communications, program coordination, and administration, as well as for seminary and graduate study. While many graduates immediately begin church careers, others elect to pursue further study or advanced certifications, with a consistent record of high achievement.

CSCC has developed a new standard and a new model for training church professionals at the undergraduate level. Centenary is the originator of this comprehensive program of education, supervision, field work, and spiritual growth. The Church Careers Program is a growing community of Christian faith that forms an integral part of the life of the College.

CSCC students represent many different religious traditions and come from throughout the United States and even several foreign countries. Each is seriously considering the possibility of a church-related vocation, though each may have experienced the church's call in a different way.

Three vocational tracks have been established to meet differing needs: Christian education, sacred music, and pre-seminary. Interested students should consult the coordinator of the church careers and pre-theology programs.

Pre-Law

The Association of American Law Schools considers it unwise for a college to specify one particular cur-

riculum for all undergraduate students who intend to enter law school. Rather, it advises the student to select a major in a rigorous, demanding, and personally satisfying area of study.

Entering pre-law students who have not selected a particular academic major are assigned to the History and Political Science Department for advising, and may choose to pursue a major in one of these fields. However, in a liberal arts college such as Centenary, the principles and goals of pre-law study apply in many other degree programs. After the major and adviser have been determined, the pre-law student should also consult the pre-law adviser.

"Three-two" (and "Three-one") Programs

Engineering

Centenary, in cooperation with Columbia University, Stanford University, Louisiana Tech University, Texas A&M University, the University of Arkansas, and Tulane University, offers the "three-two" program in liberal arts and engineering science (known also in the Columbia relationship as the "Combined Plan"). Under this program, students pursue concentrated studies in the liberal arts at Centenary for three years, followed by two years' professional work at the chosen institution. At the end of the five years of study, the B.A. degree from Centenary and the B.S. degree in engineering at the cooperating institution are simultaneously awarded. Students interested in the "three-two" engineering program should consult the coordinator of the pre-engineering program.

Forestry

An additional "three-two" program is available in cooperation with the Duke University School of Forestry. After a coordinated and integrated program of studies in liberal arts and basic sciences at Centenary for the first three years, the next five semesters are spent in the Duke School of Forestry. Upon successful completion of the professional program of study, a student will have earned the B.S. in biology from Centenary and the Master of Forestry from Duke. Interested students should confer with the coordinator of the pre-forestry program.

Mathematics/Computer Science

This program is designed to enable a student to finish two degrees in five years, a B.A. in mathematics

from Centenary and a B.S. in computer science from Southern Methodist University. A student completing this program is prepared to work interchangeably in computer science and other mathematically related fields or to continue study in graduate school either in computer science or in pure or applied mathematics.

Since this program is planned to begin with a first course in calculus, the recommended high school background should include trigonometry and advanced mathematics.

Further information may be obtained from Dr. David Thomas, Coordinator of Programs in Computer Science.

Medicine (and Medical Technology)

In addition to a standard, four-year pre-medical program wherein a student would take a bachelor's degree, the College also offers "three-one" programs for students interested in the study of medicine or medical technology. Under these plans, the student may complete all major and general education requirements in three years of study at Centenary and upon successful completion of one year of medical studies at a medical school or one year of a medical technology program in an accredited hospital, the B.S. degree is awarded by the College. Interested students should confer with the coordinators of the pre-medical technology and pre-medicine programs.

Career Preparation

The following is a list of current professional programs designed to prepare students for entry into a career immediately upon graduation; for additional information concerning any of these, contact the appropriate program coordinator:

Accounting	Dr. Delbert Chumley
Business/Spanish	Dr. Arnold Penuel
Church Careers	Dr. Donald Emler
Computer Science	Dr. David Thomas
Dance	Mrs. Ginger Folmer
Early Childhood Education	Dr. Robert Hallquist
Elementary Education (Major)	Dr. Robert Hallquist
Journalism	Dr. Michael Hall
General Business	Dean of School of Business
Petroleum Land Management	Dean of School of Business
Public Administration	Mr. Joseph Koshansky
Secondary Education	Dr. Joseph Garner
Teacher/Coach	Dr. James Farrar

Explanation of Course Listings

On the following pages is a complete listing of the courses offered at Centenary College. In addition, a schedule of classes is published during the semester before each registration period which lists all sections of all courses to be offered during the succeeding session, together with the hour, day, and place of meeting, and generally the instructor in charge of each section.

Courses are numbered according to the class-year in which each is generally most profitably taken: 100-199 for freshmen, 200-299 for sophomores, 300-399 for juniors, and 400-499 for seniors. This is not an absolute restriction, but students wishing to take courses numbered higher than their current classifications should see the chairman of the department concerned. Courses with numbers beginning with zero carry no college credit.

Unless otherwise specified in the course description, courses normally offered in the fall semester bear odd numbers, while those offered in the spring semester carry even numbers. Courses with a single number are one-semester courses; those with double numbers are two-semester courses.

Courses organized so that the student may enroll in and receive credit for either half, or in either order, have double numbers separated by a comma: 205, 206. Year courses in which the first half is prerequisite to the second have double numbers separated by a hyphen: 205-206. Two-semester courses so closely integrated that both halves must be successfully completed before credit may be received in either have double numbers separated by hyphens and enclosed in parentheses: (205-206).

To earn three hours' credit, the student normally spends each week three 50-minute periods in the classroom, or two or three such periods and three or more hours in the laboratory. The faculty has designated certain activity courses — in music, theatre, physical education, etc. — as one-semester-hour courses. No more than eight hours earned in such courses may be credited toward the basic degree requirement.

In the following listing of courses of instruction, the number of semester hours awarded for the course is specified to the right of the course title. In the offerings of the natural science departments, the number of weekly hours of class work and laboratory is shown in parentheses at the end of the description: for example, (3-3) indicates that the course requires three hours of lecture-discussion and three hours of laboratory work each week of the semester.

Art

Professor W. Cooper, *Chairman*
 Adjunct Professor: Friedenbergl
 Lecturers: Catanese, Middleton, Sutton

Major Requirements

The Art Department is an integral part of the liberal arts program, and is not intended to take the place of a professional art school, but rather to furnish a broad background of basic knowledge in order to increase the possibility of full expression. The goal of the department is to give the student sound training in drawing, painting, art history, and technique, and to encourage creative thinking and productivity.

A major in art must take thirty-eight semester hours in the department, including the following studio courses which should be taken consecutively: 103-104, 203-204, 303-304, 401-402, and 403. The remaining departmental courses are taken in art history 101-102, the graphic arts 301, and materials and techniques 307. In addition, Philosophy 205, Esthetics and a foreign language through the intermediate level are required.

- | | |
|---|-----|
| 01. Ceramic Jewelry | 0 |
| Pouring, glazing, and firing ceramic jewelry and some instruction in the use of a press mold. Offered in the evening hours. | |
| 101. Survey History of Art | 3 |
| A historical survey of painting, architecture, and sculpture from prehistoric times through the Middle Ages. | |
| 102. Survey History of Art | 3 |
| A history from the Italian Renaissance to the contemporary schools in Europe and the United States. | |
| 103-104. Art Fundamentals | 3-3 |
| Basic training stressing draftsmanship and the elements of two and three dimensional design. Drawing done in black and white and in color. Compositions are brought in for a weekly criticism class. This course, or its equivalent, is prerequisite to all advanced studio courses. Six studio hours a week. | |
| 105-106. Introduction to Art | 3-3 |
| A beginner's course for students whose field of concentration lies in other departments and who have had no previous training in art. Not open to art majors or those who have had 103-104. Six studio hours a week. | |
| 107. Art Appreciation | 3 |
| Arts of the past and present studied in relation to their social and cultural backgrounds. No credit toward an art major. | |
| 203-204. Advanced Drawing and Composition | 3-3 |
| The essentials are still stressed with more experiments with different media and methods of expression. Outside compositions done for a weekly criticism class. Six studio hours a week. | |

- | | |
|--|-----|
| 205-206. Advanced Painting in Water Colors | 3-3 |
| Six studio hours a week. | |
| 207. Art for the Elementary Teacher | 3 |
| A development of basic skills in handicrafts, basic concepts, and techniques in art. Especially helpful for the elementary school teacher, but not limited to teachers. Open to anyone, with instructor's approval. | |
| 208. Interior Design and Decoration | 3 |
| A historical survey of interior design from ancient Egypt to the present day, with special emphasis on the styles and trends of each of the well-known periods. The course is primarily academic, but some laboratory work is required. | |
| 209. Commercial Art | 3 |
| Offered in the evening hours. | |
| 210. Crafts for Children | 3 |
| The prospective teacher is trained to nurture creativity in children through guided exploration of the media, tools, and techniques of the various handicrafts. | |
| 211. Pottery | 3 |
| Basic clay techniques including the design and creation of a variety of pottery forms by hand and wheel methods, along with practice in kiln loading and firing. Six studio hours a week. | |
| 212. Sculpture (small scale) | 3 |
| Students will develop skills in surface design and spatial concepts by working with plaster, clay, and wood. Offered every semester. | |
| 215. Weaving | 3 |
| The basic methods of non-loom and loom weaving, including instructions in various fibers and hand spinning. Six studio hours a week. | |
| 217. Introduction to Photography | 3 |
| An introduction to the basic principles of photography as an art form, focusing upon composition, types of cameras, fundamental lens designs, and printing. Students furnish their own adjustable cameras and supplies. Offered every semester. Prerequisites: sophomore standing or higher. | |
| 301-302. Printmaking | 3-3 |
| Prerequisite: Art 204 or instructor's approval. A study of the processes involved in the making and printing of etchings, woodcuts, linoleum block prints, and lithographs, with lecture and studio practice. Three hours a week with outside work. | |
| 303-304. Painting | 3-3 |
| Proficiency in the use of oil paints is regarded as basic, but the student is encouraged to experiment with other media. Outside compositions will be brought in each week. Six studio hours a week. | |
| 305. History of American Art | 3 |
| The cultural and artistic development of our nation over the last 400 years as expressed in painting, sculpture, architecture, graphic arts, the decorative arts, and city planning. | |
| 307. Materials and Techniques | 3 |
| Prerequisite: 204 or instructor's approval. A systematic study of the less common methods of painting, including encaustic, polymer, egg-tempera, casein, and plastics, and an examination of the techniques of some of the old masters. Lecture, studio, and outside work. | |
| 395,396. Selected Topics | 3,3 |
| Prerequisite: Permission of the chairman of the department. Courses which deal with different topics or problems each semester (e.g., artists, styles, historical periods, studio problems, etc.). | |

401-402. Advanced Painting

3-3

During the final year the student is encouraged to develop a personal philosophy of painting. Instruction will depend largely upon the needs and natural inclinations of the individual student. Each student will have a Senior Exhibit of his best work. Outside compositions will be brought in each week. Six studio hours a week.

403. Art Seminar

2

Prerequisite: Instructor's approval. A review of the history of art, and the facts and principles which are emphasized in all the courses required for a major in art. Second semester.

495, 496. Independent Study in Art

1-6

Open to qualified art majors. Work may be done in research and reading, or in painting. The student will follow a work plan arrived at in cooperation with the chairman of the department, and must consistently furnish evidence of seriousness of purpose.

I-99. Interim Studies

3

Special topics offered in the January Interim.

Biology

Associate Professor McPherson, *Chairman*

Assistant Professors: B. Leuck, E. Leuck

Major Requirements

Courses in this department are designed to emphasize the cultural values of the life sciences and to apply biological concepts to man. The program provides a broad background for the non-science student as well as the future biologist. Classroom and laboratory experiences are complemented by off-campus opportunities designed to prepare students for graduate study in biology. The biology curriculum is the appropriate choice in preparation for numerous professions related to the life sciences.

All students enrolling in the department must complete Biology 101-102, 111-112 as a prerequisite for all other course work in biology. The department also requires that all biology majors take 201, 202, and 313. Majors must take thirty-six semester hours in biology, of which sixteen must be from courses numbered 300 or above. Supporting courses required for the Bachelor of Science degree include Mathematics 108 and 201; Chemistry 201-202; Chemistry 211-212; and Physics 104 and 105. Those seeking admission to graduate and professional schools (medicine, dentistry, veterinary medicine, and optometry) should consult with their adviser regarding additional requirements in Chemistry 301 and 311, Physics 114 and 115, and foreign languages.

In addition to the B.S. degree, the Biology Department offers a program leading to the Bachelor of Arts degree with a major in biology. This program is designed for students who do not plan to continue into graduate school or medical school. Requirements for the B.A. degree include, in addition to graduation and distributive requirements, thirty-two hours of biology including 101, 102, 111, and 112. Of the remaining twenty-four hours sixteen must be 300 level or above. The student must also complete the following: Chemistry 101, 102, 111, 112, 201, 202, 211, 212 (a total of sixteen hours); Mathematics, six hours at 107 level or higher; statistics, any of the three sequences presently being taught. Also, two years of a foreign language are the supportive requirements for the degree.

High school graduates who have completed advanced courses in high school biology and who have taken Advanced Placement or CLEP tests should meet with the department chairman to consider modified programs based on their achievement scores.

Departmental Honors in Biology

For a student to be considered for admission to the Honors Program in Biology, he must meet the general College requirements for admission to such programs. In addition to the general requirements a student in the Biology Honors Program must undertake an independent research project for four semester hours of credit beyond the thirty-six hours required for the biology degree. The results of the research must be presented in a form acceptable for publication and as an oral report before an audience that includes the biology faculty.

101-102. Principles of Biology

3-3

(Labs must be taken with course)

A study of the general principles and phenomena common to both plants and animals. The following topics are considered: the cell concept; physical and chemical bases of metabolism; morphology and developmental history of representative plants and animals; patterns of behavior; evolutionary processes and genetic mechanisms; and ecological associations. (3-3)

111-112. Principles of Biology Laboratory

1-1

Prerequisite: Concurrent registration in or credit for appropriate lecture course, 101 or 102. Lecture sections may not be taken without laboratory unless previous credit for laboratory has been obtained. The laboratory work is designed to reinforce biological concepts by application of the scientific method.

- 201. General Botany** 3-3
The course deals with the structural modifications of plants relative to their function and resultant ecological diversity. Emphasis will be placed on internal and external processes as they relate to plant cultivation and survival. A survey of the ecological, evolutionary, and phylogenetic relationships among major plant groups will be presented.
- 202. Invertebrate Zoology** 4
The taxonomy, morphology, physiology, and life histories of the invertebrate animals. Yearly. (3-3)
- 207. Human Anatomy and Physiology** 3-3
A systems approach is used in the presentation of the structure and function of the healthy human body. It is a basic but thorough course designed primarily for physical education, physical therapy, nursing, and medical technology majors. It is not designed for those planning to attend medical, dental, or graduate school. Offered each fall.
- 301. Comparative Anatomy** 5
A comparative study of the vertebrate systems and their phylogenetic development. Dissections are made of the shark, mudpuppy, and cat. (3-6)
- 302. Embryology** 4
Gametogenesis, fertilization, and early embryonic development of chordates; vertebrate ontogeny as seen in the chick and pig. (3-3)
- 304. Ecology** 4
Prerequisites: Chemistry 101-102; Chemistry 111-112. A study of the interrelations of living things with reference to their non-living environment. (3-3)
- 307. Microbiology** 3-3
A survey of microorganisms and their role in nature. The importance of bacteria, fungi, and viruses as agents of disease will be considered. The laboratory will emphasize bacterial and fungal form, function, culture, and control. Offered in even-numbered years.
- 309. Plant Morphology** 3-3
Prerequisite: Biology 201. A phylogenetic study of plants from the simpler to the more complex, specialized forms. Comparison of plants through the ages, emphasizing relationships of living and fossil forms, reproduction and development of the plant body. Offered in odd-numbered years.
- 310. Plant Systematics** 3-3
A treatment of concepts in systematic thought as well as a thorough treatment of seed plant taxonomy that emphasizes elements of the regional flora.
- 311. Physiological Psychology** 3
Offered yearly. (Same as Psychology 311.)
- 313. Genetics** 4
The fundamental concepts of heredity with consideration given to both modern and classical genetics. Microorganisms, as well as *Drosophila*, are used in the laboratory to acquaint the student with the procedures and techniques used by the geneticist. (3-3)
- 314. Microtechnique** 4
Methods of preparing tissues for microscopic study. Alternate years. (2-6)
- 321. Biochemistry I** 3
Prerequisites: Chemistry 202, 212. A study of the organic, physical, and structure-function relationships of biomolecules and their catabolic processes. (Same as Chemistry 321.)

- 322. Biochemistry II** 3
Prerequisites: Chemistry 202, 321. A study of biochemical systems and the relation of biochemical functions to molecular structure. Offered yearly. (Same as Chemistry 322.)
- 395,396. Selected Topics** 3-4
Prerequisite: Depends upon topic. A detailed study of an area of biology not normally covered in regular courses. May be repeated once for credit when a different topic is studied.
- 398. Colloquium, Oak Ridge Semester** 1
Prerequisites: Junior standing and admission by SCUU Selection Committee. A program of speakers on a variety of scientific and social issues presented by staff at Oak Ridge National Laboratory under supervision of resident SCUU faculty. (Same as Chemistry 398/Math 398/Physics 398.)
- 399. Research, Oak Ridge Semester** 1-6
Prerequisites: Junior standing and admission to the program by the SCUU Selection Committee. Research performed through participation in the SCUU-Oak Ridge Semester Program under supervision of senior staff at Oak Ridge National Laboratory. (Same as Chemistry 399/Math 399/Physics 399.)
- 400,401. Internship** 3,3
Prerequisites: Junior standing and approval of the department faculty. Assignments in an applied biological work experience will involve a minimum of 120 hours. A final oral presentation and written summary of the semester's work are required. Offered on demand.
- 402. Animal Physiology (formerly General Physiology)** 4
Biology 301 and Chemistry 202 are recommended. The course will emphasize the application of the fundamental principles of organismal physiology to the physiological adaptation of organisms, including man, to their environments.
- 403. Vertebrate Biology** 3-3
A survey of the vertebrates and their role in the ecosystem. Emphasis will be placed on the identification and systematics of Louisiana vertebrates. The evidence, principles, and logic supporting evolution and speciation will be discussed as they relate to vertebrates. The course will be offered in even-numbered years.
- 404. Mycology** 4
Prerequisites: Biology 201, 313, and 321 strongly recommended; or consent of the instructor. An investigation of the biology of fungi, including their structure, taxonomy, physiology, genetics, ecology, and importance to man. Alternate years.
- 406. Histology** 4
Prerequisite: Biology 203 or 217. Microscopic study of the tissues and organs of the human body. Alternate years. (2-6)
- 495,496. Independent Study** 1-6
Prerequisite: 20 semester hours of biology. Each candidate must submit a written proposal for departmental approval in advance of his intention to register for this type of study. Experimental work on an assigned problem. A final written report and oral presentation are required.
- I-99. Interim Studies** 3
Special topics offered in the January Interim.

School Of Business

Professor: Chumley
Assistant Professors: Christensen, McGovern, Morrill
Instructors: Dowden, C. Scott
Lecturers: Carter, Cox, Gregg, Jackson,
Wallace, Wooley, Zahm

Economics

Major Requirements

The economics major offers training for the citizen, who to a degree must be an economist in his daily life; for the business man or woman, who must make decisions in the light of economic developments; and for the economist, who is concerned with the manner in which the economic system as a totality operates. The B.A. in economics requires thirty semester hours in economics plus Business 203-204. The thirty semester hours must include Economics 201 and 202, which are prerequisites for all 300- and 400-level courses; Economics (301-302) and 329 or 312; and the approval of the course of study by the departmental adviser. Business 408, 414, 425, 426 may be taken to satisfy major requirements in economics, with the approval of the adviser. (Business 203-204 are prerequisites for all 300- and 400-level courses.)

A student may be admitted to the Departmental Honors Program if he has attained junior standing and meets the other requirements. For details, consult the dean.

123. Economic History of the U.S. 3
- The development of economic activities in the changing U.S. institutional patterns. On demand.
201. Principles of Economics 3
- An introductory study of economic activity with emphasis on national economic problems. Each semester.
202. Principles of Economics 3
- Prerequisite: 201. An introductory study of the determination of prices, wages, and value; analysis of the process and principles by which an economy allocates resources. Fall and spring.
- 301-302. Statistics 3-3
- Descriptive and inferential. A study of variance, frequency distribution analysis, regression and correlation, index numbers, time series, sampling, probability, tests of significance, and statistical estimation. Yearly.

311. Intermediate Micro-Economic Theory 3
- Economic theories of individual and business decision-making and their effects on the production and allocation of economic goods. Fall.
312. Intermediate Macro-Economic Theory 3
- Neoclassical, Keynesian, and modern theories of the determination of aggregate economic activity and their empirical relevance. Spring.
324. Labor Economics 3
- Development of labor movements, collective bargaining, wages and employment, and public policy. On demand.
326. Public Finance 3
- Revenue and expenditure policies of the public sector; the public-private mix in resource allocation and distribution. On demand.
329. Money and Banking 3
- The structure and operation of money and banking institutions, with emphasis on the role of money, banking, and monetary policy in the economic life of the community. Fall.
402. Growth and Stability 3
- Problems of cycles, inflation, and deflation. On demand.
403. Economic Development 3
- Factors and patterns that affect economic development worldwide. Problems to be overcome to develop a nation.
410. Managerial Economics 3
- Application of the theories of profits, market structure, demand, and costs to decision-making by firms. On demand.
411. Government and Business 3
- The economics of government regulation in the institutional setting of the U.S. and the private enterprise system. Recommended for political science, history, and sociology majors. On demand.
421. Comparative Economic Systems 3
- The nature and operations of alternative systems for determining resource allocation and utilization. On demand. (Same as Political Science 421.)
440. International Economics 3
- International economic institutions and the theory of international trade. On demand.
- 495,496. Independent Study 1-6
- Independent study of economic problems. By invitation only.
- I-99. Interim Studies 3
- Special topics offered in the January Interim.

Business

There is general agreement today that people in business need training in the liberal arts. Courses in the humanities, in mathematics and natural sciences, and in the social sciences equip the businessman or woman with the analytical ability and the breadth and flexibility of mind necessary to cope with a technological, social, economic, and political environment that changes with bewildering rapidity.

In the courses designed to train the student in the area of business, Centenary therefore places emphasis on a broad base of fundamental knowledge and the development of certain basic skills on which the student

can build through experience obtained after college. To this end the business curriculum is built around the quantitative and behavioral sciences. The quantitative area is stressed so that the student will learn the use of quantitative data for decision-making. The behavioral sciences are emphasized so that the student will better understand the behavior patterns of formal organization and the problems which arise when men attempt to achieve common goals.

Bachelor of Science in Business

The B.S. in business requires thirty-six semester hours of business or economics courses including Business 203-204, 321, 323, 346, and Economics 201-202 and 301-302.

Prerequisite requirement: Business 203-204 and Economics 201-202 are prerequisites for all 300-400-level business and economics courses or under special conditions the consent of the instructor is sufficient.

A student may be admitted to the Departmental Honors Program if he has attained junior standing and meets the other requirements. For details, consult the dean of the School of Business.

Bachelor of Science in Accounting

The accounting curriculum, leading to the degree of Bachelor of Science, provides a thorough education in the field of accounting. This specialized knowledge of accounting together with a broad liberal arts and business background is designed to prepare students: (1) for careers in accounting management; (2) for further academic work; (3) for careers in public accounting; and (4) for appropriate trainee positions in government and business.

The B.S. in accounting requires twenty-seven semester hours of accounting courses, (Business 203-204, 305-306, 309, 407, 409, 411, 412, 310, or 418, and the following supportive courses: Economics 201-202, 301-302, 329, and 311 or 312. Business courses required in addition to accounting include 321, 323, 324, 346, and 425.

Bachelor of Science in Business W/A Program in Petroleum Land Management

The B.S. in Business W/A Program in Petroleum Land Management is held by the School of Business in conjunction with the Department of Geology. Together they have designed the Petroleum Land Man-

agement Program, in which a student can learn how to work as a professional in the energy field. The student has an enhanced value to industry and can move into more challenging positions in the energy field because of the combining of these fields of study. Students will be provided with a firm foundation of business and geology courses as well as liberal arts. Required courses in Business are: 203-204, 301-302, 323-324, 321, 346, 350, 425, and Economics 201-202, 329.

The Certification Program in Petroleum Land Management is structured for those who already have an undergraduate degree and want to pursue a shorter curriculum than that of a second degree. Such persons will be shown as certified in Petroleum Land Management upon completion of certification requirements. All courses required by Petroleum Land Management Certification must be taken at Centenary College or be individually approved by the dean of the School of Business and where applicable geology courses will be approved by the chairman of the Geology Department. Required courses are: Business 203-204, 225, 321, 323-324, 346, 350, 425; Economics 201-202, 301-302, 329; Geology 101, 102, 151, 201, 203, 301, 303, 410; Engineering 142, 234; English 207; Math 223; Theatre/Speech 200.

If a second degree is obtained, it is the B.S. in Business with a program in Petroleum Land Management. A second degree requires meeting Centenary distributive requirements by eligible transfer credit or by work taken at Centenary College.

Business/Spanish Coordinate Program

This coordinate program with the Department of Foreign Languages is designed to prepare the business student to work in a Spanish-speaking country or a Spanish-speaking area of the United States. The student admitted to this program will normally major in business and will receive a B.S. degree. The economics-business requirements are Economics 201-202, and (301-302); Business 203-204, 321, 323, 346, and an elective 300 or 400 course. The Spanish requirements beyond 202 are 206, 305, 307, and 308 or 495 (or 496). Certain of these courses are flexibly designed to permit the student to familiarize himself with the specialized vocabulary and literature of his field of interest. An additional requirement is Political Science 207. Inquiries concerning the program should be addressed to Dr. Arnold M. Penuel of the Foreign Languages Department.

Major Requirements
Associate in Science Degree Program

The School of Business offers a program leading to an Associate in Science Degree. It is designed to give needed training in business areas and at the same time, provide some background in non-business courses to develop the mathematical and management skills which are needed in business. Some courses in the arts and sciences are an integral part of the program and will enable students to develop a better understanding of themselves, their culture, and the society in which they live. The Associate in Science Degree program will take most students about three years to complete. (A four-year degree at night would take twice as long.) The entire program, basically designed for those presently employed, will be offered in the evening. However, it is open to recent high school graduates who are interested. Since almost all the courses are regular college credit courses, most of the work completed toward the associate degree will also apply toward the bachelor's degree. Upon satisfactory completion of the courses of study (of sixty hours), the student will be awarded an Associate in Science Degree in Business from Centenary College.

The requirements of the program in the two areas available are as follows:

Business Administration	
General Requirements	Hours
English, Grammar, and Composition I 101	3
Math 105	3
Math 107	3
Computer Systems 223	3
Elective (Social Science)	3
Elective (Humanities)	3
Elective (Natural Science)	3
Business and Economics	
Introduction to Business 101	3
Principles of Economics 201-202	6
Principles of Accounting 203-204	6
Management 321	3
Marketing 346	3
Business Law 323	3
Personnel Management 322	3
Managerial Accounting 315	3
Economics Elective	3
Statistics 301	3
Business Elective	3
Total Hours	60

Accounting	Hours
General Requirements	
English, Grammar, and Composition I 101	3
Math 105	3
Math 107	3
Computer Systems 223	3
Elective (Social Science)	3
Elective (Humanities)	3
Elective (Natural Science)	3
Business and Economics	
Principles of Economics 201-202	6
Principles of Accounting 203-204	6
Management 321	3
Marketing 346	3
Business Law 323	3
Intermediate Accounting 305-306	6
Cost Accounting 309	3
Income Tax I 411	3
Statistics 301	3
Business Elective	3
Total Hours	60
101. Introduction to Business	3
Business organization and operation. Survey of the various fields of business, basic business problems and procedures, the opportunities open to college graduates in business, and the vocabulary of business. Not open to junior and senior majors within the department. Yearly.	
105. Personal Finance	3
A study in problems confronting the individual or family in purchasing and budgeting for the household. Yearly.	
201. Oil and Gas Law	2
Prerequisite: None. Course will not satisfy distributive requirements. A study of the legal aspects of oil and gas leasing, exploration, and production. Various oil and gas leases and assignments are described in detail. Offered on demand. (Same as Geology 201.)	
203. Principles of Accounting	3
Prerequisite: Sophomore standing or consent of instructor. An introductory course intended to familiarize the student with the fundamental principles and methods of preparing and analyzing financial statements. Every semester.	
204. Principles of Accounting	3
Prerequisite: Business 203. An introduction to management's uses of accounting data for planning and control. Topics covered include: content and interpretation of the income statement and balance sheet; uses of cost accounting; budgetary planning and control; and internal reports for management. Every semester.	
207. Business and Technical Writing	3
Instruction and practice in the various forms of practical communication, such as correspondence and reports. Fall 1981 and yearly. (Same as English 207.)	
219. Real Estate Appraisal	3
How to make professional appraisals of real estate will be covered. The general fundamentals of residential, commercial, and industrial properties will be covered also.	

- 223. Computer-COBOL** 3
An introduction to computer programming in the business-oriented language COBOL. Hands-on experience in writing, running, and debugging programs will be provided. The application and problems will be primarily business-oriented. (Same as Math 223.)
- 225. Real Estate Law** 3
The law as it affects ownership of real property in general and its application to Louisiana law. Such areas as deeds, leases, land contracts, escrows, and zoning will be covered.
- 305-306. Intermediate Accounting** 3-3
Prerequisite: Business 204 or consent of instructor. An intensive study of basic accounting theory and procedures, with emphasis on balance sheet accounts and their interrelationships with income statement accounts. Yearly.
- 309. Cost Accounting** 3
Prerequisite: Consent of instructor. The objectives and procedures of cost accounting for manufacturing firms. Topics covered include: job order and process cost systems; cost-volume-profit relationships; standard costs and variance analysis; direct costing; relevant costs; and capital budgeting. Fall.
- 310. Intermediate Cost Accounting** 3
Prerequisite: Business 309. Advanced process cost procedures; "expected" and "basic" cost systems; special procedures for accounting for avoidable and unavoidable spoilage; fundamentals of direct costing. On demand.
- 314. Advanced Journalism: Advertising and Public Relations** 3
Prerequisite: English 211 or permission of chairman of the department. Analysis and evaluation of the mass media for advertising purposes; and principles and practice of public relations as they pertain to the communications media. (Same as English 314.)
- 315. Managerial Accounting** 3
The use of data contained in accounting records by management in making decisions concerning pricing, expansion, production, and forecasting. Primarily for non-accountants, but helpful for accounting majors. On demand.
- 321. Principles of Management** 3
A study of organizational theory, policies, and procedures common to all institutions charged with the responsibility of achieving a common goal. Fall.
- 322. Personnel Management** 3
Prerequisite: Business 321 or consent of instructor. A survey of the organization and administration of personnel departments, education and training policies, wage policies, and the maintenance of favorable industrial relations. On demand.
- 323. Business Law** 3
A study of the legal aspects of business transactions. Introduction to personal property contracts as well as agency, partnership, negotiable instruments, sales and conditional sales contracts, and the law of commercial paper. Fall.
- 324. Business Law** 3
Prerequisite: Business 323. A continuation of 323 for those intending to take the CPA examinations. Spring.
- 328. Human Relations** 3
A study of individual, small group, and organizational behavior in the business setting. The problems of motivation and communication are studied in goal-oriented activity. On demand.

- 346. Principles of Marketing** 3
A study of distribution of goods and services from producer to consumer. Channels of distribution, marketing functions, institutions, and costs. Spring.
- 350. Oil and Gas Accounting** 3
Prerequisites: Business 203 and 204. Accounting for the production, refining, and distribution of oil and gas with emphasis upon production.
- 395,396. Selected Topics** 1-6
Prerequisite: Consent of instructor. A detailed study of an area of business not normally covered in regular business courses. On demand.
- 400A. Internship in Business Administration** 3
Designed to provide an opportunity for the student to expand his theoretical knowledge and practical application of administrative principles by first-hand experience in various public and private agencies. May be repeated once for credit. Consent of the instructor necessary before registering.
- 400J. Internship in Journalism** 3
Prerequisite: Grade of C or better in the advanced journalism course in the area of the internship. Supervised internship with an approved employer in any of the professional areas covered by the Journalism Program, such as marketing, advertising, public relations, and news or feature writing. Students will be required to submit a term paper or project of equivalent value to the program director at the end of the internship. May be repeated for credit in another area.
- 403. Consumer Analysis and Behavior** 3
Prerequisite: Business 346. A study of the motivation of consumer behavior as explained by a multi-discipline approach drawing from the behavioral and social sciences.
- 406. Marketing Policies and Problems** 3
Prerequisite: Business 346. An advanced course in marketing problems with emphasis upon markets, distribution channels, product analysis, and pricing policies.
- 407. Advanced Accounting** 3
Prerequisite: Consent of instructor. An intensive study of the application of fundamental accounting theory to a number of important fields and activities in business, with extensive use of CPA-type problems. Topics covered include: partnerships; special sales procedures; corporate combinations; an introduction to consolidated financial statements; and actuarial science. Yearly.
- 408. Quantitative Decision-Making** 3
Prerequisites: Economics 301-302. A study of the development and use of quantitative analytical techniques in decision-making. Offered on demand.
- 409. Auditing** 3
Prerequisite: Business 306. A study of auditing theory and procedures; special investigations; and the principal kinds of audits, working papers, and reports. Yearly.
- 411. Income Tax Accounting I** 3
Prerequisite: Business 306 or consent of instructor. The Internal Revenue Code and problems of the preparation of tax returns are studied as they relate to the individual. Emphasis on determination of income and statutory deductions in arriving at the net taxable income. Fall.

- 412. Income Tax Accounting II** 3
Prerequisite: Business 411. The Internal Revenue Code and problems of the preparation of tax returns are studied as they relate to partnerships, corporations, estates, and trusts.
- 414. Research Techniques and Forecasting** 3
Prerequisites: Economics 301-302. The formulation of the problem, data sources and data problems, formulation of the hypothesis, and basic research design and techniques. On demand.
- 415. Managerial Computer Usage** 3
Course offers guidelines for management on whether to install a computer, the relative advantages and disadvantages of the systems available, renting vs buying, and the legal implications of computer usage. Systems analysis is also covered.
- 416. Real Estate** 3
This course is designed to provide a clear, detailed understanding of all aspects of real estate, property ownership, and the factors involved in the transactions in ownership transfer of property. Current developments will be discussed, such as condominium ownership, real estate marketing, mobile homes, and the full understanding of closing sales.
- 418. Financial Accounting Theory** 3
A study of concepts and procedures of financial accounting as stated in pronouncements and releases of the American Institute of Certified Public Accountants, the American Accounting Association, and the Financial Accounting Standards Board.
- 420. Social Responsibility of Business** 3
A study of the social role and responsibility of business considering both the internal and external environments of the firm. Evaluation of the social responsibility of the firm to the consumer, the employee, and the management. Coverage of the values evidenced by the management of modern business. Junior standing.
- 425. Business Finance** 3
A study of the channels for obtaining capital for corporate promotion, expansion, and reorganization. Financial management analysis. Fall.
- 426. Investments** 3
A study of the principles and problems determining sound investment policy. Spring.
- 495, 496. Independent Study** 1-6
A reading and research course open to seniors by invitation.
- I-99. Interim Studies** 3
Special topics offered in the January Interim.

Chemistry

Professor S.A. Taylor, *Chairman*
Professor: Seidler
Assistant Professor: Zawalski
Instructor: Johnson
Lecturer: Blackburn

The Chemistry Department offers a program of sufficient flexibility to serve three types of students: (1)

those who wish to prepare for a career in chemistry and serve in industry and those who wish to prepare for advanced studies in chemistry; (2) those who expect to use chemistry in other occupations or professions; (3) those who desire chemistry for a broader background in science and an introduction to the scientific method of thought.

The Centenary College Chemistry Department is one of a number approved by the American Chemical Society for the training of chemists.

Students who are interested in chemistry as a career and those who intend to pursue advanced studies should elect the program leading to the Bachelor of Science degree and, in addition, take those courses which meet the standards recommended by the American Chemical Society for the professional training of chemists. Those who do not plan to pursue advanced studies but who are interested in a field where a sound knowledge of chemistry is required may elect the program leading to the Bachelor of Science degree.

As an alternative to the B.S. degree, the Chemistry Department offers a program leading to the Bachelor of Arts degree with a major in chemistry. Students who desire a pre-professional background which prepares them for further studies in such areas as medicine, dentistry, veterinary medicine, law, business, or secondary education may elect the program leading to the Bachelor of Arts degree. There is sufficient flexibility in the B.A. program so that a student who is interested in combining a business career with a chemistry background may do so with the proper choice of electives in the business and economics area.

High school students should note that their likelihood of success in any of these programs is greatly enhanced if their high school studies include chemistry, physics, two years of algebra and trigonometry, and one year of advanced mathematics.

Once a student enrolls in one of the programs, he is cautioned that certain chemistry (and other) courses must be taken in an appropriate sequence. Failure to observe the sequence may result in course scheduling difficulties and lead to a delay in graduation.

High school students who have had the equivalent of college-level courses in chemistry or who have made acceptable scores on Advance Placement or CLEP tests should consult with the department chairman about modification of their plan of study.

Departmental Honors in Chemistry

In order for a student to be considered for admission to the Departmental Honors Program in chemistry, he must meet the general college requirements for admission to such programs.

Major Requirements

Bachelor of Science (American Chemical Society Accredited):

Chemistry Courses: General Chemistry 101, 102, 111, 112; Organic Chemistry 201, 202, 211, 212; Analytical Chemistry 301, 311; Physical Chemistry 351, 352; Instrumental Analysis 392; Inorganic Chemistry 401; Organic Synthesis 421; two advanced courses (at least six semester hours) selected from chemistry, physics, or mathematics; Chemistry Seminar 440.

Supportive Courses: Physics 104, 114, 105, 115; Mathematics through 202, and either Physics 211 or Mathematics 123. A reading knowledge of German is recommended for those intending to pursue graduate studies.

Bachelor of Science:

Chemistry Courses: General Chemistry 101, 102, 111, 112; Organic Chemistry 201, 202, 211, 212; Analytical Chemistry 301, 311; Physical Chemistry 351, 352; Chemistry Seminar 440; two additional chemistry courses numbered 300 or above.

Supportive Courses: Physics 104, 114, 105, 115, 211; Mathematics through 202. One year of foreign language is recommended.

Bachelor of Arts:

Chemistry Courses: General Chemistry 101, 102, 111, 112; Organic Chemistry 201, 202, 211, 212; Analytical Chemistry 301, 311; Physical Chemistry 351, 352 or Chemistry 321, 322, 324; Chemistry Seminar 440.

Supportive Courses: Physics 104, 114, 105, 115; Mathematics through 201; one year of foreign language.

101-102. General Chemistry 3-3

First semester: A study of the principles of stoichiometry, chemical thermodynamics, the physical properties and behavior of gases, and an introduction to atomic and molecular structure.

Second semester: A study of the chemistry of the elements, and of the quantitative aspects of chemical equilibrium. Yearly. Labs must be taken with the course unless the lab course has been previously passed.

111-112. General Chemistry Laboratory 1-1
Prerequisite: Concurrent registration in or credit for the corresponding lecture course, 101, or 102. Laboratory work designed to accompany Chemistry 101-102. Work includes a study of the techniques and applications employed in chemical investigations. Laboratory exercises in the second semester include selected gravimetric and volumetric analyses, and a study of selected inorganic qualitative analyses. Yearly. (Three laboratory hours a week.)

105. Chemistry, Science, and Man 3
A course which examines the relation of science, chemistry in particular, with other enterprises of the human spirit — education, society, government, philosophy, and technology — and considers some of the complicated problems which these relations pose.

115. Chemistry, Science, and Man Laboratory 1
The laboratory work involves individual or group projects, experiments, demonstrations, or seminars. All work is designed to accompany the lecture.

201-202. Organic Chemistry 3-3
Prerequisites: Chemistry 102, 112. A study of the chemistry of organic compounds. These studies are based on molecular structure, the properties due to functional groups, and the mechanisms by which reactions occur. Yearly.

211-212. Organic Chemistry Laboratory 1-1
Prerequisite: Concurrent registration in or credit for the corresponding lecture course 201 or 202. The laboratory work is on a semi-micro scale. The second semester includes introductory qualitative organic analysis. Yearly. (Three laboratory hours a week.)

301. Analytical Chemistry 3
Prerequisites: Chemistry 102, 112, and Mathematics 201. A study of the theory of analytical separations and the principles and methods of quantitative chemical analysis, with emphasis on the application of equilibrium theory to analytical problems. Yearly.

311. Analytical Chemistry Laboratory 2
Prerequisite: Concurrent registration in or credit for Chemistry 301. Laboratory work dealing with the various separation and purification techniques and with gravimetric, volumetric, potentiometric, and colorimetric methods of analysis. Yearly. (Six laboratory hours a week.)

321. Biochemistry I (Same as Biology 321) 3
Prerequisites: Chemistry 202, 212. A study of the organic, physical, and structure-function relationships of biomolecules and their catabolic processes.

322. Biochemistry II (Same as Biology 322) 3
Prerequisite: Chemistry 321. A study of biochemical systems and the relation of biochemical functions to molecular structure. Yearly.

324. Biochemistry II Laboratory 1
Prerequisites: Chemistry 301, 311, and credit for or concurrent registration in Chemistry 322. Laboratory study designed to demonstrate biochemical techniques and methodology. (Three laboratory hours a week.)

351-352. Physical Chemistry 4-4
Prerequisites: Concurrent registration in or credit for Chemistry 301, 311, Mathematics 202, and Physics 211. Principles of theoretical chemistry with emphasis on thermodynamics, chemical kinetics, electrochemical systems, and atomic and molecular structure. Laboratory work includes physicochemical measurements and

laboratory experiments which confirm and amplify the principles of theoretical chemistry. Yearly. (Three laboratory hours a week.)

392. Instrumental Analysis 4

Prerequisite: Concurrent registration in or credit for Chemistry 352. A study of the theory and application of instrumental methods for separation and analysis. Emphasis is on spectrometric, electrochemical, and chromatographic methods. Yearly. (Two hours lecture, six laboratory hours each week.)

395, 396. Selected Topics 3,3

Prerequisites: Junior standing and consent of the instructor based upon adequate preparation in chemistry, physics, and mathematics. A detailed study of an area of chemistry not normally covered in the regular chemistry courses. Topics may include organic reaction mechanisms, heterocyclic chemistry, nuclear chemistry, environmental chemistry. May be repeated once for credit when a different topic is offered. Offered on demand.

398. Colloquium, Oak Ridge Semester 1

Prerequisites: Junior standing and admission by SCUU Selection Committee. A program of speakers on a variety of scientific and social issues presented by staff at Oak Ridge National Laboratory under supervision of resident SCUU Faculty. (Same as Biology 398/Math 398/Physics 398.)

399. Research, Oak Ridge Semester 1-6

Prerequisites: Junior standing and admission to the program by the SCUU Selection Committee. Research performed through participation in the SCUU-Oak Ridge Semester Program under supervision of senior staff at Oak Ridge National Laboratory. (Same as Biology 399/Math 399/Physics 399.)

400. Chemistry Internship 3

Prerequisites: Junior standing and recommendation of the Chemistry Department faculty. Work in an industrial or research laboratory for a minimum of 120 hours. A written and oral report on the work conducted is required. Offered on demand.

401. Advanced Inorganic Chemistry 3

Prerequisite: Chemistry 352. A systematic study of the chemistry of the elements and their compounds based upon physical-chemical concepts. Yearly.

411. Inorganic Preparations 1

Prerequisite: Concurrent registration in or credit for Chemistry 401. Preparation, purification, and characterization of selected inorganic compounds according to different types of synthetic techniques. Offered on demand. (Three laboratory hours a week.)

421. Organic Synthesis 2

Prerequisites: Chemistry 202, 212. A study of selected organic synthetic methods. Offered on demand. (Six laboratory hours a week.)

431. Advanced Analytical Chemistry 3

Prerequisites: Chemistry 392. Primarily a laboratory course which applies the fundamental principles of analytical chemistry to the separation, purification, identification, and quantitative analysis of organic, inorganic, and metallo-organic substances and mixtures. Offered on demand. (1-6).

485, 486. Chemistry Seminar 1,1

Prerequisites: Junior standing. Presentation and discussion of current research being performed by the individual student, chemistry faculty, or research as reported in the current literature. Alternate years.

495, 496. Independent Study 1-6

Prerequisites: Junior standing and consent of the instructor based on adequate preparation in chemistry, physics, and mathematics. Research on an assigned problem. A written report and an oral presentation of the work are required. Offered on demand.

I-99. Interim Studies 3

Prerequisite: Consent of the instructor based upon adequate preparation in chemistry, physics, and mathematics. Special topics offered in the January Interim.

Education

Professor Garner, *Chairman*

Professors: Gwin, Hallquist

Visiting Professor: Hardaway

Lecturers: Adams, Anderson, Elrod, Plaisance

Education Objectives and Purposes

The Department has responsibility for the teacher-education curriculum of the College and also provides elective courses in education for those interested. Its objectives and purposes are to provide experiences which will enable each prospective teacher to (1) communicate effectively with the written and spoken word; (2) function in a democratic society, cognizant of the importance of themselves, their families, and their relationships with others; (3) acquire the various competencies necessary for good teaching. A small teacher-pupil ratio allows each professor to recognize each student as a unique individual with specific needs and to structure courses in such a way as to encourage individuality and creativity. Each candidate for teaching is made aware of the importance of the interrelation of good health and emotional habits, high spiritual values, and their effects on the act of teaching.

All students enroll in the tutorial and clinical program. In the Clinical-Tutorial Program, the student works with a professor in a schedule of readings, seminars, lectures, and independent study in the theory of education. Practice is gained by the students in concurrent clinical experiences in a variety of local schools and agencies. The students are taken through a carefully planned sequence of observing, aiding, and substituting for master teachers. These master teachers are employed by the local school systems. Students are supervised by both tutorial professors and the master teachers throughout the program.

The teacher-education program meets the requirements for teacher certification in Louisiana. Candidates for teaching certificates in the state must fulfill the requirements for elementary or high school certification. Student teaching is done in schools in this geographical area. The Department provides a Teacher Placement Bureau for all who are registered in the program.

Counseling

Each student must complete three hours of counseling prior to entering the teacher-education program. The counseling relates to the teaching aptitude of the student and to job availability. The counseling is not a part of the teacher-education program.

Grade Points

- a. A minimum of "C" in each section of freshman English (English 101 and 102) is required for those persons pursuing teacher certification.
- b. A person who has a degree from another institution and enrolls in Centenary College for certification only must have a "C" average in English 101 and 102.
- c. Each student must achieve and maintain a 2.2 overall GPA as a prerequisite to enrolling in sophomore education courses.
- d. Each student must achieve and maintain a 2.35 overall GPA as a prerequisite to enrolling in junior education courses.
- e. Each student must achieve and maintain a 2.5 overall GPA as a prerequisite to enrolling in senior education courses.
- f. Each student must achieve at graduation from an approved teacher education program a 2.50 average in all work taken in the College.
- g. All students transferring to Centenary College must immediately meet the specified requirements appropriate to the entry level.

Degree Plan

Each student majoring in elementary education or certifying in secondary education must, in consultation with his adviser, complete a degree plan. This plan, endorsed by student and adviser, is filed with the registrar. Students certifying at the secondary level must have the signature of the secondary education representative on the degree plan, or it will not be accepted by the registrar.

No student will be considered for formal acceptance into the Education Department by the Teacher Advisory Council prior to the degree plan's being filed.

No student may enroll in a junior-level education course until and unless a degree plan has been filed and approved and official acceptance into the teacher-education program has been granted.

Student Teaching

Elementary certification — All courses, with the exception of Education 412, should be completed before student teaching.

Secondary certification — All courses, with the exception of Education 414, should be completed before student teaching. An exception is a course in the major which is offered only the semester in which one student teaches.

National Teachers Examination (NTE)

In order to become certified, a person must take the National Teachers Examination. Minimum test scores include the total of the score on the general portion of the test (Common) and the score on the specialized subject (Area). Minimum scores for certification are posted in the Education Department.

Administrative Requirements

All students planning to certify as teachers must, by the end of the sophomore year, petition the Teacher Education Advisory Council for acceptance into the Department of Education. They must meet certain requirements of oral and written communication, GPA, English, health, and appearance as determined by the TEAC. Any person who does not meet all requirements has the option of appealing to the Teacher Education Advisory Council through the chairman of the Education Department.

An "area of concentration" in academic subjects is encouraged for elementary education majors. Each person certifying to teach at the secondary level is encouraged to attain certification in at least two subjects.

No course listed below may be taken pass/fail, and no final grade below a "C" will be accepted in any professional or specialized academic education course which is required for certification, regardless of overall grade average, including English 101 and 102.

Professional education courses include the following:

- Education 211-212
- Education 331-332, 431
- Education 341, 441
- Education 351-352, 451
- Education 310, 411-412 (elementary)
- Education 314-414 (secondary)
- Psychology 211, 221

Specialized academic education courses at the elementary level include the following:

- Art 207
- Education 206
- English 101 and 102
- History 207
- Music 329
- P.E. 239 and 357
- Speech 101 or 200

Specialized academic education courses at the secondary level include the following:

- English 101 and 102 (all majors)
- Art major — All art courses
- English major — All English courses
- Foreign language major — All foreign language courses
- Mathematics major — All mathematics courses
- Music major — All music courses
- P.E. major — All physical education courses (including required biology courses.)
- Science major — All science courses
- Social studies major — All social studies courses
- Speech major — All speech courses

Only students in good academic standing may participate in the professional education courses. Please refer to Academic Probation, page 22.

General Education Requirements

The general education requirements for teacher certification at the elementary and secondary levels are as follows: twelve semester hours in English, which must include three hours in grammar and three hours in composition; twelve semester hours of laboratory science (of which at least three hours must be in biological science and at least three hours in physical science); six hours in mathematics; twelve hours of social studies, which must include three hours in U.S. history for elementary and secondary and three hours of geography for elementary; and four hours of physical education.

Major Requirements

A major in education is available only to students intending to teach in the elementary school. Students proposing to teach on the secondary level must complete the major requirements of another discipline and the requirements for certification. An exception is the B.A. in Social Studies Education.

ELEMENTARY: In addition to courses meeting the College's distributive requirements and the General Education requirements, for the B.S. in Elementary Education, the student must complete Education 206, 211-212, 331-332, 310-411-412, 431; Psychology 211 and 221; Art 207; Mathematics 115; Speech 101 or 200; Geography 205 or 206; History 207; Physical Education 239, 357, and four hours of electives; and Music 329.

EARLY CHILDHOOD: Early childhood certification can be met if the elementary education major takes Education 351-352 and 451.

TEACHER OF EXCEPTIONAL CHILDREN: The fifteen semester hours of basic requirements offered by Centenary College are Psychology 211, 221, 312, and Art 207 and 210. Refer to Louisiana Standards for State Certification of School Personnel, Bulletin 746 (as revised) for additional requirements.

SECONDARY: Secondary teacher candidates must, in addition to completion of the College's distributive requirements, the General Education requirements, and those of department major, complete Education 211-212, 341, 441, 314-414, and Psychology 211.

B.A. in Social Studies Education

This new degree is created for those students who wish to certify in social studies but do not desire a major in either history or political science.

History 101, 102, 205, 206, 207, nine hours at 300 level	24
Political Science 201, 207 or 210 or I-99	6
Geography	6
Economics	3
Sociology	3
Education 211-212, 341, 314-414, 441	24
Psychology 211	3
English 101-102, 201, 300 level	12

Science: Biology 101 and lab, physical science and lab, elective and lab	12
Mathematics 105 and elective	6
Foreign Language: one year	6-8
Philosophy or Religion	3
Art Appreciation or Music Appreciation	3
Physical Education	4
General Education 101-102	2
Interim: Sociology or Economics or Math or Political Science, 6 hours	0
Electives	7-5

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Subject Fields (Secondary Education)

The minimum requirements for the various subject fields, in addition to general education and professional education, are as follows:

ART: (Grades 1-12) A minimum of thirty semester hours grouped under the following categories: drawing and painting, design, appreciation and history, crafts, color.

ENGLISH: A minimum of twenty-seven semester hours including the twelve hours in the general education requirements. (The total program in English shall include six semester hours in grammar and composition above the freshman level.)

FOREIGN LANGUAGE: A minimum of twenty-four semester hours in a language or eighteen semester hours if taken above the first-year college level.

MATHEMATICS: A minimum of twenty semester hours, including the general education requirements and three semester hours in calculus. Only nine semester hours may be earned in freshman mathematics.

MUSIC EDUCATION: (Grades 1-12)

- (1) Vocal music: 62 semester hours as follows:
 - a. Preparation in musicianship (theory, music history and appreciation, and conducting) 32 semester hours
 - b. Applied music (must include a minimum of 18 semester hours in voice, plus a basic command of functional piano technique) 30 semester hours
- (2) Instrumental music (including band and orchestra): 62 semester hours as follows:
 - a. Preparation in musicianship (theory, music history and appreciation, and conducting) 32 semester hours
 - b. Applied music (must include credit in piano, woodwind, brass, strings, and percussion instruments) 30 semester hours

- (3) Vocal and instrumental music (excluding piano): 82 semester hours as follows:

- a. Preparation in musicianship (theory, music history and appreciation, and conducting) 32 semester hours
- b. Applied music (must include credit in piano, voice, woodwind, brass, string, and percussion instruments with not less than 15 hours in vocal music, and 15 hours in instrumental music) 50 semester hours

NOTE: Preparation for teaching vocal and instrumental music shall be recognized as a 5-year program of studies.

- (4) Piano: 62 semester hours as follows:
 - a. Preparation in musicianship (theory, music history and appreciation, and conducting) 32 semester hours
 - b. Applied music (must include a minimum of 18 semester hours in piano) 30 semester hours

PHYSICAL EDUCATION: (Grades 1-12)

- (1) The minimum requirements for certification in physical education (including coaching) total 24 semester hours.
 - a. Foundations (organization and administration, history and principles, and/or curriculum construction) 6 semester hours
 - b. Basic science (human anatomy, physiology, kinesiology) 6 semester hours
 - c. Skills and techniques (including not more than 4 semester hours in coaching) 8 semester hours
 - d. First aid (or care of athletic injuries) 1 semester hour
 - e. Correctives, evaluation, and/or other areas 3 semester hours
- (2) The minimum requirements for certification in health and safety education total 22 semester hours.
 - a. Health and safety education (including principles, organization, and administration of the school health program, basic nutrition, study of health hazards, personal and community health problems, prevention and control of communicable diseases, healthful environment) 6 semester hours
 - b. Health methods and materials (including health services, health screening, use of modern health resources) 6 semester hours
 - c. Basic science (human anatomy and physiology) 6 semester hours
 - d. General safety education 3 semester hours
 - e. First aid 1 semester hour
- (3) Combined certification of physical education and health and safety education will require a total of 39

semester hours in which the basic sciences and first aid should not be repeated.

SCIENCE: A minimum of twenty-four semester hours in science, including that required in general education.

Certification in general science shall include a minimum of six semester hours in physics, six semester hours in biology, six semester hours in chemistry, and six semester hours in earth science. An additional eight semester hours are necessary in each science field or fields in which the teacher applies for certification.

SOCIAL STUDIES: A minimum of thirty semester hours, including the general education requirements, to be distributed as follows:

- (1) History
 - a. United States History 6 semester hours
 - b. Louisiana History 3 semester hours
 - c. Western Civilization or
World History 6 semester hours
- (2) United States Government 3 semester hours
- (3) Geography 6 semester hours
- (4) Economics 3 semester hours
- (5) Sociology 3 semester hours

SPEECH: A minimum of thirty semester hours to include the following:

- (1) Fundamentals of public speaking
. 3 semester hours
- (2) Debate 3 semester hours
- (3) Oral interpretation 3 semester hours
- (4) Broadcasting 3 semester hours
- (5) Theatre
Directing 3 semester hours
Production 3 semester hours

102. **Foundation of Education** 3
A study of minor movements and issues in education. Summer.

201. **Educational Psychology** 3
A study of the psychological adjustments of the typical student in American schools. Oriented toward the problems of the usual classrooms. Designed to bring together theory and application in the psychology of education.

206. **Children's Literature** 3
A survey of children's literature through the ages, with special attention to developing a love of reading and a knowledge of genres and motifs and to related literary matters like vocabulary-building, knowledge of other cultures, and where appropriate, history and biography. Spring, summer.

211-212. **Sophomore Tutorials in Education** 3-3
An investigation of the history and the social and philosophical foundations of education. The role and relevance of psychology in the learning process. Participation in a series of observations in community-agency learning situations. Student teaching experiences in a variety of school settings. A schedule of readings and seminars. Yearly.

310. **Survey of Reading in the Elementary School** 3
An overview of the total skills programs: approaches to reading instruction; a survey of reading programs for the average, gifted, and disabled reader. Presents comprehensive knowledge of the literature on the teaching of reading. May be taken by sophomores. Spring.

314. **Survey of Reading in the Secondary School** 3
An overview of the total skills programs: approaches to reading instruction; a survey of reading programs for the average, gifted, and disabled reader. Presents comprehensive knowledge of the literature on the teaching of reading. May be taken by sophomores. Spring.

331-332. **Junior Tutorials in Elementary Education** 3-3
Prerequisites: Education 211-212, Psychology 211, and acceptance by TEAC. A study of materials, methods, and problems of teaching and learning in the elementary school. Planned participation in elementary school classrooms as a teacher's aide. An individualized schedule of readings and seminars. Yearly.

341. **Junior Tutorials in Secondary Education** 3
Prerequisites: Education 211-212, Psychology 211, and acceptance by TEAC. A study of materials, methods, and problems of teaching and learning in the secondary school. Participation in secondary school classrooms in planned teaching settings to include observation and teaching. An individualized schedule of readings and seminars. Fall.

351-352. **Junior Tutorials in Early Childhood Education** 3-3
A study of the understanding of the social, emotional, and intellectual needs of the kindergarten child as these relate to curriculum, equipment, teaching aids, and teaching procedures. Participation in kindergarten classrooms will supplement classroom activities. Yearly.

395, 396. **Selected Topics** 3,3
A detailed study of an area in education not normally covered in regular education courses. On demand.

411. **Teaching of Reading in the Elementary School** 3
Prerequisite: Education 310. A survey of methods, materials, and theories with emphasis on mastering reading skills. Observation and work with children are required along with two hours of classwork. Students will design materials to stimulate interest in reading for enjoyment and information. Fall.

412. **Teaching of Reading Practicum** 3
Prerequisites: Education 310 and 411. Major emphasis is placed on teaching the reading skills to individuals and small groups of children. Teacher accountability will be stressed in work with diagnosing reading needs and applying prescriptive teaching techniques as corrective measures. Current literature will be surveyed. Spring.

414. **Teaching of Reading in the Secondary School** 3
Prerequisite: Education 314. A course that emphasizes the application of appropriate principles, methods, materials, and guidelines for teaching reading at the secondary level. Observation and work with pupils at the secondary level are required along with two hours of classwork. Special emphasis placed on specific strategies for teaching reading in the content areas. Spring.

431. **Senior Tutorials in Elementary Education** 9
Prerequisites: 331-332. Intensive practice teaching in an all-day setting, for one semester, under the supervision of a master teacher and college faculty.

441. Senior Tutorials in Secondary Education 9
Prerequisite: 341. Intensive practice teaching in an all-day setting, for one semester, under the supervision of a master teacher and college faculty.
451. Senior Tutorials in Teaching in Early Childhood Education 3
Prerequisites: 351-352. Observation and practice teaching in the kindergarten.
453. Practicum in Kindergarten Education 3
Supervised observation and teaching internship experiences in programs for kindergarten school children.
- 1-99. Interim Studies 3
Special topics offered in the January Interim.

English

Associate Professor Hall, *Chairman*
Professors: Labor, Morgan
Assistant Professors: Jackson, Nass
Instructor: Rogers
Lecturers: Carter, E. Crawford, Crockett

The purpose of courses in English for all students is to develop skill in written communication and to develop critical judgment and appreciation of the work of major writers in relation to their social and intellectual background. The department prepares its majors for teaching in secondary schools, for admission to graduate and professional schools, and indeed for any occupation where liberal education and language competency are the important requisites.

Major Requirements

For a B.A. in English, a student must fulfill the College requirements for a degree, including within them the following:

1. Credit for English 101-102;
2. Art 101 or 102, and Music 143 or 144;
3. Credit through the third year of a foreign language or through the intermediate level of two foreign languages;
4. Eighteen semester hours in English beyond 205-206, including at least twelve hours from the following: 301, 302, 303, 304, 307; with six additional hours of electives from 305, 306, 308, 320, 401, 405, 420, 495, 496.

Prerequisite for all courses numbered 300 and above: consent of the instructor. All majors must take English 205, 206: Survey of British Literature (both semesters). Majors expecting to be certified to teach at the secondary school level must take English 309 and 310.

100. Fundamentals of Grammar 3
An intensive review of grammar designed to improve writing and reading performance and to prepare students for English 101. Intended for and required of those whose performance in high school and on achievement tests indicates a deficiency in verbal skills. This course will not count in the 124 hours for graduation. Offered each semester.

101. Grammar and Composition I 3
An intensive review of grammar, the reading of non-fiction, and the writing of expository prose with an emphasis on the paragraph and the 500-word theme. Required of all students who have not earned exemption and credit by passing the English 101 Exemption Test given by the English Department. Students may take this test if they present a score in the upper 25th percentile of any of the following tests: SAT Verbal, ACT English, CLEP English, Advanced Placement English Composition and/or Literature. Offered each semester.

102. Grammar and Composition II 3
A continuation of grammar, reading, and expository prose especially précis, summaries, synopses, and a research paper. Required of all students. Offered each semester.

201. Introduction to Literature 3
Prerequisite: English 101-102. An introduction to representative types of fiction, drama, and poetry, with continuing emphasis on writing. Offered each semester.

- 205, 206. Survey of British Literature 3, 3
Prerequisites: English 101 and 102 or their equivalents. A survey of British poetry, prose, and drama from the beginnings to the present. The first semester includes writings from the Middle Ages through the eighteenth century; the second semester includes writings from the nineteenth and twentieth centuries. Offered yearly.

207. Business and Technical Writing 3
Instruction and practice in the various forms of practical communication, such as correspondence and reports. Fall 1981 and yearly. Same as Business 207.

251. Introduction to Journalism 3
A survey of mass communications media, their purpose and methods of operation. Designed to give students an overview and an understanding of the importance of communications media in modern society. Fall 1981 and alternate years. (Formerly 211.)

- 285, 286. Seminars in Literature 3, 3
Prerequisites: English 101-102 and 201 or their equivalents. Courses in which each class section deals with a different topic (e.g., satire, myth and archetype, Anglo-Irish literature, psychological fiction, science fiction, styles of film, etc.). Selections are studied as esthetic creations and as illustrations of the topic under consideration. Readings cut across genres and national literatures. Topics change from semester to semester. May be elected for up to nine hours credit, but individual topics may not be repeated. Offered each semester. (Formerly 202.)

299. Creative Writing 3
Prerequisites: English 101 and 102, and 201 and submission of a writing sample no later than sixty days prior to the beginning of the course. An advanced course in composition and writing for students interested in producing original pieces of prose, verse, or drama. Fall 1981 and alternate years.

301. The Literature of the Middle Ages 3
A study of the principal works of poetry of medieval English literature. A number of works are read in modern translation. Fall 1981 and alternate years.

- 302. The English Renaissance** 3
A study of English poetry, prose, and drama of the sixteenth to mid-seventeenth centuries, exclusive of Shakespeare. Spring 1983 and alternate years.
- 303. Restoration and Eighteenth-Century Literature** 3
A study of the representative literature from 1660 to 1798, exclusive of the novel. Special attention to Dryden, Swift, Pope, Goldsmith, and Johnson. Fall 1982 and alternate years.
- 304. Romantic and Victorian Literature** 3
A study of the major works from 1798 to 1900, exclusive of the novel. Spring 1983 and alternate years.
- 305. Modern British Literature** 3
A study of significant British writers from the late nineteenth century to the present. Fall 1982 and alternate years.
- 306. The English Novel to 1900** 3
A study of the English novel from its beginning through the 19th century, with particular attention to historical and artistic influences. Spring 1982 and alternate years.
- 307. Survey of American Literature, 1630-1870** 3
A survey of American writing from colonial times to about 1870. Fall 1981 and alternate years.
- 308. Survey of American Literature, 1870 to the Present** 3
A survey of American writing from about 1870 to the present, with attention to trends in the development of modern American literature. Spring 1982 and alternate years.
- 309. History of the English Language** 3
A survey history of the language and an introduction to linguistics. Particular attention paid to phonology, morphology, and syntax and to key concepts in descriptive linguistics and grammar. Compositions include short, analytical expository themes as well as a research paper. Fall 1982 and alternate years.
- 310. Advanced English Grammar and Composition** 3
A descriptive study of the structural logic and idiom of the English sentence and of the creation of precise, functional composition. Spring 1982 and alternate years.
- 320. Pre-Renaissance Classics in Translation** 3
A critical and historical study of representative Greek and Roman epic and lyric poetry and of drama, and of the medieval synthesis exemplified by Dante. Emphasis is both on the literary value of the works and on their relevance to the Western cultural tradition. Spring 1983 and alternate years. (Formerly 300.)
- 352. Advanced Journalism: [Reporting and Feature Writing]** 3
Factual writing for print and broadcast. Extensive practice in types of news stories and some features. Reporting techniques and news gathering, with interviewing emphasized. Study of human interest factors, literary devices, and news media feature markets. Discussion of reportorial responsibility including news values and objectivity. Readings in outstanding reportage of the past. Spring 1982 and alternate years. (Formerly 312.)
- 353. Advanced Journalism: [Editorial Persuasion and Critical Writing]** 3
Intensive and directed practice in writing editorial opinion and critical reviews of the fine and popular arts for the mass media. Development of critical theories for the evaluation of individual works with emphasis on literature, drama, film, and music. Fall 1982 and alternate years. (Formerly 313.)

- 354. Advanced Journalism: [Advertising and Public Relations]** 3
Analysis and evaluation of the mass media for advertising purposes; and principles and practice of public relations as they pertain to the communications media. Spring 1983 and alternate years. Same as Business 354. (Formerly 314.)
- 395, 396. Selected Topics** 3, 3
Prerequisite: Consent of the department chairman. A detailed study of areas of language and literature not normally covered in regular English courses. Offered on demand.
- 400. Internship in Journalism** 3
Prerequisite: A grade of "C" or better in the advanced journalism course in the area of the internship. Supervised internship with an approved employer in any of the professional areas covered by the Journalism Program, such as marketing, advertising, public relations, and news or feature writing. Students will be required to submit a term paper or project of equivalent value to the program director at the end of the internship. May be repeated for credit in another area.
- 401. Shakespeare** 3
A study in depth of selected plays. The arrangement is basically chronological; and examples of histories, comedies, and tragedies are included. Fall 1981 and alternate years.
- 405. Studies in Representative American Writers** 3
Intensive reading in major writers who represent significant trends in the development of American Literature. Considerable work in bibliography and research, with presentation of individual papers. Fall 1982 and alternate years.
- 420. Literary Criticism** 3
A study of the background and development of modern literary criticism, with particular emphasis upon its development after Coleridge. The influences of literary theory, the various critical theories of this century, and the problems of practical criticism are the concerns of lectures, class discussions, and papers. Spring 1982 and alternate years. (Formerly 400.)
- 495, 496. Independent Study** 1-6
Prerequisites: Senior standing and permission of the chairman of the department. Either semester of senior year. The writing of a thesis and an oral examination at the end of the semester are the core of the course. The chairman of the department appoints a committee of not fewer than three faculty members to guide each student and to conduct the oral examination. Regular class sessions are not required, but the faculty members arrange seminar discussions when circumstances warrant such meetings. A copy of the thesis is filed with the chairman of the department. Offered each semester. (Formerly 407.)
- I-99. Interim Studies** 3
Special topics offered in the January Interim.

Foreign Languages

Associate Professor Penuel, *Chairman*
Associate Professors: Gottlob, Watts
Lecturers: Colbert, E. Crawford, Wilson

The program in foreign languages at Centenary is designed to provide the student with a knowledge of the foreign language and culture which will be useful to him practically, intellectually, and professionally.

Practically, we seek to equip the student with the ability to understand, speak, read, and write the language. To this end, the foreign language is used extensively, in some courses exclusively, in the classroom; two modern language laboratories direct the student's study both in and out of class.

Intellectually, the study of a foreign language and the culture embodied in that language will not only provide the student with an invaluable insight into the nature and structure of language as such, and language as a medium which shapes feelings and thoughts, but will also deepen his understanding of his own language and culture.

Professionally, knowledge of a foreign language may enhance employment opportunities in many fields in an increasingly interdependent world, or be the basis for a career itself, for example, in government, international business, airlines, and teaching.

Extramurally, Centenary affords its students opportunities for study abroad through its membership in the Southern College University Union (see page 73), CODOFIL (see p. 73), and through a variety of other study-abroad programs of quality.

For information regarding departmental scholarships please write the chairman of the department.

Placement and CLEP Credit

Students with at least two years of a foreign language in high school or competent in a foreign language for other reasons may receive advanced placement or be exempted from the foreign-language requirement on the basis of their score on a placement/proficiency test given by the Department of Foreign Languages just before registration each fall (see the chairman of the department for information on the scheduling of this test). Native speakers of a language other than English are automatically exempted from the B.A. foreign-language requirement.

Centenary awards credit in foreign languages through the College Level Examination Program (CLEP). For specific information on this program, consult the catalogue elsewhere and contact the Office of Admissions.

Major Requirements

A major is offered in French or Spanish, and a combination major in any two of the languages offered.

For the B.A. in French or Spanish, the student must successfully complete twenty-one semester hours in courses numbered above 202.

For the combination B.A. in Foreign Languages major, the student must complete, in courses numbered above 202, nine semester hours in a major language and three semester hours in a minor language. (An additional three hours in the minor is recommended.)

These majors also require the following supportive courses: twelve semester hours in English courses above 102, including 320, and either 309 or 420 according to the student's emphasis on language or literature; three semester hours in Religion 103 or 104; three semester hours in philosophy. (Strongly recommended are three additional hours in religion or philosophy, and six hours in fine arts.)

A major may be admitted to the Department's Honors Program if he has attained junior standing and meets the other requirements. (See page 26 of the catalogue.) For details, consult the department chairman.

NOTE: In addition to three class hours weekly, two hours of work each week in the language laboratories are an integral part of all courses in the department numbered (101-102).

Departmental Program: Business/Spanish Coordinate Program

This coordinate program with the Department of Economics and Business is designed to prepare the business student to work in a Spanish-speaking country or a Spanish-speaking area of the United States. The student admitted to this program will normally major in business and will receive a B.S. degree. The Economics-Business requirements are Economics 201-202, and (301-302); Business 203-204, 321, 323, 346, and an elective 300 or 400 course. The Spanish requirements beyond 202 are 206, 305, 307, and 308 or 495 (or 496). Certain of these courses are flexibly designed to permit the student to familiarize himself with the specialized vocabulary and literature of his field of interest. An additional requirement is Political Science 207. Inquiries concerning the program should be addressed to Dr. Arnold M. Penuel in care of the Foreign Languages Department.

Departmental Courses

Foreign Language 100: Greek and Latin Elements in Specialized English Terminology 1

No knowledge of Greek or Latin required. Analysis of English word formation from Greek and Latin elements for the prospective student in medicine, dentistry, law, and graduate work in the arts and sciences.

Foreign Language 300: Study Abroad (Credit evaluated) Centenary-approved enrollment in courses pursued abroad, such as concurrent registration in exchange programs through SCUU, and CODOFIL.

Foreign Languages 400: Practicum for Foreign Language Majors 1-3 Prerequisites: Completion of three years of a foreign language in college or equivalent, and permission of the instructor. This course involves the student in the practical application of his foreign language to: the teaching-learning experience; tutoring and help-sessions for his fellow students; presentations to lower-level courses; monitoring of short-wave broadcasts; translations, etc.

Foreign Language I-99: Interim Studies 3 Special topics offered in the January Interim. Some typical courses in recent years have been: Introduction to Linguistics; Spanish and Spanish-American Literature in Translation; French Women Writers in Translation.

French

(101-102). Elementary French 4-4 The verbal-active approach with emphasis on all four language skills: comprehension, speaking, writing, reading.

201-202. Intermediate French 3-3 Prerequisites: French (101-102) or equivalent. Grammar review, development of vocabulary and fluency in oral and written expression. Readings on various aspects of French culture, including literature.

305. Advanced Conversation and Diction 3 Prerequisites: French 201-202 or permission. Required of all French majors, and strongly urged for those planning to teach in the public schools. Systematic treatment of French phonetics with practical applications. Oral work concentrated on the more complex grammatical constructions and idioms, designed to increase the student's command of contemporary French. Intensive use of laboratory tapes featuring native speakers. Offered Fall, 1981 and alternate years.

306. Advanced Composition and Stylistics 3 Prerequisites: French 201-202. Required of all French majors, and strongly urged for those planning to teach. Study of stylistic elements in French poetry and prose. Translation of sophisticated English texts into French as well as original composition in French. Includes advanced grammar. Offered Spring, 1983 and alternate years.

395, 396. Selected Topics 3, 3 Prerequisites: French 201-202 or equivalent. Study in areas of French language, civilization, or literature not covered by other courses. Individual topics may not be repeated for credit. Offered Fall, 1981, and subsequently on demand.

417. Literature of the Seventeenth Century 3 Prerequisites: French 201-202 or equivalent, English 201. Study of seventeenth-century French writers such as Corneille, Moliere, Racine, La Rochefoucauld, Pascal, La Fayette. Offered Fall, 1982 and alternate years.

418. Literature of the Eighteenth Century 3 Prerequisites: French 201-202 or equivalent, English 201. Study of eighteenth century French authors such as Voltaire, Diderot, Rousseau, Prevost, Marivaux, Laclos, Lesage. Offered Spring, 1983 and alternate years.

419. Literature of the Nineteenth Century 3 Prerequisites: French 201-202 or equivalent, English 201. Study of nineteenth-century French authors such as Chateaubriand, Constant, Stendhal, Hugo, Flaubert, Balzac, Baudelaire, Zola, and the Symbolist poets. Offered Fall, 1981 and alternate years.

420. Literature of the Twentieth Century 3 Prerequisites: French 201-202 or equivalent, English 201. Study of modern French playwrights, poets, and novelists such as Proust, Gide, Sartre, Ionesco, Claudel, Camus, Malraux. Offered Spring, 1982 and alternate years.

495, 496. Independent Study 1-3 Prerequisites: French 201-202 and permission of instructor. Study in a field of French language or literature appropriate to the student's preparation and interests. Individual topics may not be repeated for credit. Offered upon demand.

German

(101-102). Elementary German 4-4 An audio-lingual approach to basic German speech patterns. Conversation, functional grammar, and reading, supplemented by drill in the language laboratory.

103. German for Reading Knowledge 3 Basic German grammar and readings in expository texts for students desiring reading proficiency for graduate study or as an audit for students desiring a review before attempting intermediate courses. Does not satisfy Centenary language requirements. Offered on demand.

201-202. Intermediate German 3-3 Prerequisites: German (101-102) or equivalent. Continuation of oral-aural practice, integrated with a systematic review of grammar, vocabulary building, and composition. Kulturkunde. Extensive reading in modern German prose, including some selections representative of the expository type.

301-302. Advanced German 3-3 Prerequisites: German 201-202 or equivalent. Advanced readings reflecting various aspects of literary and cultural life in Germany as a basis for written and oral practice designed to increase the student's command of contemporary German. Offered in 1981-82 and alternate years.

401-402. Survey of German Literature 3-3 Prerequisites: German 201-202 or equivalent. Dieser Kurs veranschaulicht die Entwicklung der deutschen Literatur von ihren Anfängen bis zur Gegenwart. Besondere Betonung liegt bei der Auswahl des Lesestoffes auf den weniger umfangreichen Werken, die in ihrer literarischen Gestalt typische Vertreter der betreffenden Epoche sind. Offered in 1982-83 and alternate years.

495, 496. Independent Study 1-3
Prerequisites: German 201-202 and permission of the instructor. Study in a field of German language or literature appropriate to the student's preparation and interests.

Greek

(101-102). Elementary Greek 3-3
An introduction to the fundamentals of Greek grammar with readings in Classical Greek authors. Some attention to New Testament usage.

201. New Testament Greek 3
Prerequisites: Greek (101-102) or equivalent. The course will emphasize the careful reading of selected New Testament texts combined with a systematic review of grammar and vocabulary. Offered on demand.

Latin

(101-102). Elementary Latin 3-3
An introduction to the fundamentals of Latin grammar and the reading of Latin authors.

201-202. Intermediate Latin 3-3
Designed for freshmen entering with two units of Latin, or those who have had Latin (101-102). Reading from several Latin writers. Systematic review of principles of syntax.

495, 496. Independent Study 1-3
Prerequisite: Permission of instructor. Advanced study in the Latin writers such as Cicero, Virgil, Ovid, Plautus, Terence, Livy, Sallust, and Lucretius. Individual topics may not be repeated for credit.

Italian

(101-102). Elementary Italian 4-4
An introduction to Italian with emphasis on all language skills: comprehension, speaking, reading, and composition. Offered on demand.

Spanish

(101-102). Elementary Spanish 4-4
An eclectic approach to Spanish, stressing oral-aural communication skills, grammar, and the cultural context of the language.

201-202. Intermediate Spanish 3-3
Prerequisites: Spanish (101-102). 201: Advanced grammar, composition, conversation, and reading. 202: Reading of selected works in Spanish. Conducted largely in Spanish.

206. Applied Spanish 1
May be taken by students enrolled in Spanish 202 who wish to develop language skills in their specialty. Students will make oral and written reports in Spanish on readings in the literature of their field.

208. Modern Spanish and Spanish-American Literature in English 3
A study of some of the best Spanish and Spanish-American writers of the nineteenth and twentieth centuries, including Valera, Galdós, Unamuno, Ortega y Gasset, Lorca, Cela, Azuela, and Borges. Offered on demand.

305. Advanced Conversation and Composition 3
Prerequisites: Spanish 201-202 or consent of instructor. Intense conversational practice, advanced grammar, and composition. Designed to allow the student to develop vocabulary in his field. Strongly urged for those planning to teach in the elementary or secondary schools. Fall, 1981 and alternate years.

307. Hispanic Civilization 3
Prerequisites: Spanish 201-202 or consent of instructor. A study of Spanish and Spanish-American modes of living, including history, religion, geography, art, literature, and ideas. Special effort will be made to compare and contrast Hispanic civilization with Anglo-American traditions. Conducted in Spanish. Fall, 1982 and alternate years.

308. Introduction to Spanish-American Literature 3
Prerequisites: Spanish 201-202 or consent of instructor. Readings from the works of representative Spanish-American writers. Conducted in Spanish. Spring, 1983 and alternate years.

395, 396. Selected Topics 3
Prerequisites: Spanish 201-202. Study in some areas of Spanish or Spanish-American literature not covered elsewhere. Individual topics may not be repeated for credit. Offered upon demand.

417. Literature of the Spanish Golden Age 3
Prerequisites: Spanish 201-202 or consent of instructor. A study of sixteenth- and seventeenth-century Spanish literature with emphasis on Cervantes' *El Quijote*. Conducted in Spanish. Fall, 1982 and alternate years.

419. Nineteenth-Century Spanish Literature 3
Prerequisites: Spanish 201-202 or consent of instructor. A study of the principal nineteenth-century Spanish writers with emphasis on the novelists. Conducted in Spanish. Fall, 1981 and alternate years.

420. Twentieth-Century Spanish Literature 3
Prerequisites: Spanish 201-202 or consent of instructor. A study of the principal twentieth-century Spanish writers. Conducted in Spanish. Spring, 1982 and alternate years.

495, 496. Independent Study 1-3
Prerequisites: Two courses above 208 (including Spanish 308 if the study is in Spanish-American literature), and permission of the instructor. Study in a field of Spanish or Spanish-American literature appropriate to the student's preparation and interests. Individual topics may not be repeated for credit.

General Education

101-102. Cultural Perspectives 1-1
A two-semester course, required of all freshmen and other entering students, designed to encourage them to broaden their cultural perspective and to enrich their liberal arts education through attending various ex-

tracurricular events on campus. Credit (pass/fail) may be earned by certified attendance at the following types of events: art, drama, films, music, forums, all-college convocations, and other convocations.

A brochure will be distributed at registration explaining the detailed rules of the program and listing the semester's events and dates. Attendance at a total of ten events required for each semester.

Geology And Geography

Professor N. Shaw, *Chairman*

Instructors: Cathey, Frey

Lecturers: Langton, Eatman, Wheeler

Introductory courses offered by the Geology Department are designed to broaden the student's knowledge and understanding about the earth and to develop an appreciation for our environment. Various processes of geology that have been proceeding at fairly uniform rates since the continents and oceans formed are identified and discussed. The present environments are used as models for past conditions on earth.

The students majoring in geology learn the necessary fundamentals of earth science required for successful graduate work and research. Those students not interested in graduate study may upon graduation choose to work with a state or federal geological survey, an oil company, or a mining company. However, the superior student is directed toward advanced studies.

The Geology Department offers areas of study for both the prospective professional geologist and the individual interested in geology but not intending to make it a career. The student may intend to work in service-related fields of geology, as petroleum. Centenary offers courses in geology which enhance the student's chances for employment and advancement with the various energy-related companies.

In the Ark-La-Tex area, oil and gas are foremost energy resources. The Geology Department emphasizes this aspect of geology in numerous courses listed in the curriculum and taught by local petroleum geologists. Most independent studies courses are con-

cerned with hydrocarbon sources, reservoirs, and entrapments mechanisms. Students in the department are invited to use local well log libraries (restricted membership) which have complete collections of well logs and various types of well data for the area. The department has an extensive collection of well logs, maps, and miscellaneous data concerned with oil and gas exploration, reservoir studies, and production.

The flexibility of the geology curriculum is demonstrated by the variety of courses available for the B.A. and the B.S. degrees. The student interested in geology as a career should obtain the B.S. This course of study is necessary in order to secure the proper foundation for successful graduate work and for employment as a geologist.

Major Requirements for the B.A. Degree

In addition to the courses meeting the requirements of the College, a candidate for the B.A. will take twenty-five semester hours in geology including 101, 111, 102, and 112. Other requirements include Engineering 142, Map Drafting and Plane Table Surveying, two courses in a foreign language, and three hours in speech. Two courses in science are required and one course in Mathematics, 107 or higher.

Geology 101, 111, 102, 112 are prerequisites for all other geology courses, and admission to advanced geology classes is allowed after successful completion of the above requirements or upon permission of the instructor.

Major Requirements for the B.S. Degree

In addition to the courses meeting the College's distributive requirements, a candidate for the B.S. will take thirty-five semester hours in geology, including 101, 111, 102, 112, 151, 203, 304, 305, 306, 352, 401, and 440. Other required courses include Chemistry 101, 111, 102, 112; Mathematics 108 and 201; Physics 104, 105 or Biology 101, 111, 102, 112; and two courses in a foreign language. A summer field camp is recommended for all geology students.

Geography

205. Cultural Geography 3
A study of the cultural diversity of man as a function of geographical distribution.

206. World Geography 3
Presents essential information concerning the natural and cultural environments in the world.

Geology

- 101. Physical Geology (Lab required)** 3
Prerequisite to all other courses in the department. Introductory lecture course concerned with processes and principles acting upon the earth today.
- 111. Physical Geology Laboratory** 1
Practical studies of minerals, rocks, and maps.
- 102. Historical Geology (Lab required)** 3
A fundamental part of geology concerned with paleogeography and paleontology. Various concepts are explored for reconstructing ancient environments. Offered yearly.
- 112. Historical Geology Laboratory** 1
An application of the concepts and processes discussed in Historical Geology lectures. Maps, fossils, and criteria for the identification of environments are studied. Offered yearly.
- 103. Environmental Geology** 3
A study of the interactions between man and his geological environment, to include urbanization and pollution, geological hazards, and geological resources. Offered on demand.
- 151. Regional Geology** 3
A brief outline of the geology of the United States. Offered each year.
- 201. Oil and Gas Law** 2
Prerequisite: None. Course will not satisfy distributive requirements. A study of the legal aspects of oil and gas leasing, exploration, and production. Various oil and gas leases and assignments are described in detail. Offered on demand. (Same as Business 201.)
- 203. Structural Geology** 4
A study of the mechanics of folding, faulting, and other structural features, their geologic effects, and the solution of structural problems. Yearly.
- 301. Geology of Petroleum** 3
A course devoted to the study of the origin, migration, and accumulation of petroleum and of the oil and gas fields in the U.S. in general. Alternate years.
- 302. Geology of the Ark-La-Tex Oil and Gas Fields** 3
A detailed study of the various oil and gas fields of the Ark-La-Tex. Offered on demand.
- 303. Well Logging** 3
A study of the various methods of well-logging and their application to the general field of geology. Yearly.
- 304. Mineralogy** 4
A description of the common minerals of the earth's crust, with identification by physical and chemical means. Fall of each year.
- 305, 306. Invertebrate Paleontology** 3-3
An introduction to the study of structure, mode of life, distribution, and development of the living forms of past ages. Yearly.
- 351. Economic Geology** 3
The genesis of ores, the structure and stratigraphy of mineral-producing ores, and the economic aspect of mineral deposits. Alternate years.
- 352. Elementary Petrology** 4
The description and identification of the common rocks in the crust of the earth, and a study of the theories of origin for the different types of rocks. Yearly.
- 401. Sedimentology** 3
A discussion and study of the origin and environments of sediments and their diagenesis. Yearly.

- 402. Principles of Stratigraphy** 3
The principles underlying the description, identification, and geologic history of the stratigraphic units of the earth's crust. Yearly.
- 405. Introduction to Geophysical Prospecting** 3
Prerequisite: Mathematics 107, or equivalent. An introduction to the various methods of geophysical prospecting for petroleum products. Includes the study of magnetic, gravitational, seismic, electrical, and other methods. Offered on demand.
- 421. Introduction to Micropaleontology** 3
A study of some of the important microfossils of the geologic column and methods of applying these data. Offered on demand.
- 485, 486. Geology Seminar** 1-3
Individual studies of various aspects of the geosciences.
- 495, 496. Independent Study** 1-6
In-depth studies of those aspects of geology not normally covered in existing courses. Prerequisite: Consent of instructor. Offered on demand.
- I-99. Interim Studies** 3
Special topics offered in the January Interim.

History And Political Science

Professor Hancock, *Chairman*
Assistant Professors: R. Shaw, Shepherd
Instructor: Koshansky

The courses offered by the Department of History and Political Science are designed to make an essential contribution to a liberal education by providing the general student with a comprehensive and integrated knowledge of man's history; to provide the training necessary for more advanced study in history and political science; and to provide the practical knowledge of historical and political developments which is an essential part of the preparation of those students expecting to enter the professions of law, government service, politics, and business.

For those interested in teaching history, political science, or social studies at the secondary level, see description of B.A. in social studies education, p. 42.

History Major Requirements

A candidate for the B.A. in history must complete thirty semester hours in history, including History 101,

102, 205, 206, 208, and 485 or 486. Supportive courses required are Economics 201 and 202, and six semester hours in political science. Of the thirty semester hours in history, fifteen must be numbered 300 and above. Students majoring in history are required to complete the intermediate level in a foreign language approved by the major adviser.

A student may be admitted to the Department's Honors Program if he has attained junior standing and meets the other requirements. For details consult the department chairman.

- 101, 102. **Survey of Western Civilization** 3,3
A survey of the development of western cultures and nations, from the beginnings of history to the present. Yearly.
- 205, 206. **History of the United States** 3,3
A survey of the major developments in the history of the United States from colonial times to the present. Yearly.
207. **History of Louisiana** 3
A survey of the history of Louisiana under France, Spain, and the United States. Yearly.
208. **Historical and Political Science Methods** 3
Prerequisites: History major of sophomore standing or consent of instructor. An introduction to methods used in historical and political science research. The course guides the student in developing skills in both humanistic scholarly methods and political science methodology, including quantitative and computer techniques. Yearly.
301. **History of the Christian Church** 3
A survey of institutional and theological developments in the Christian Church from its beginning to the twentieth century. The course will stress important people and the historical context of each period of the church's history. (Same as Religion 301.) Fall of 1981 and alternate years.
305. **Europe in the Nineteenth Century, 1815-1914** 3
The history of Europe during a century of dramatic transformation. Attention will be given to the Industrial Revolution, post-Napoleonic reaction, liberalism, revolution, nationalism, imperialism, and the coming of World War I. Fall of 1982 and alternate years.
306. **Twentieth-Century Europe** 3
A survey of European social, cultural, economic, and political developments, emphasizing the unique characteristics of the major European nations and their effects upon international relationships. Yearly.
- 307, 308. **History of England and Great Britain** 3,3
A general survey of the history of England and the British Empire to the present time. Yearly.
312. **Twentieth-Century United States** 3
The social, economic, and political development of the United States in its role as major world power in the twentieth century. Spring of 1982 and yearly.
318. **Renaissance and Reformation** 3
A study of the important social, political, economic, and cultural developments in European civilization during the 14th and 15th centuries. The Reformation section covers the 16th century and the first half of the 17th century. (Same as Religion 318.) Spring of 1983 and alternate years.

- 321, 322. **American Social and Intellectual History** 3, 3
The evolution of American social institutions and cultural life from the colonial period to the present. The course will focus on the development of various types of American communities and will emphasize changes in American families, religious and ethnic groups, business and educational organizations, and social structure.
325. **History of the Ante-Bellum South** 3
An examination of the South from colonial days through the Civil War with emphasis on the institution of slavery, agriculture, society, and the development of sectionalism. Yearly.
326. **History of the Modern South** 3
A study of the South from Reconstruction to the present, with emphasis on politics, economics, culture, and race relations. Yearly.
341. **Latin America** 3
A survey from colonial times to the present, with special attention given to developments in the twentieth century.
351. **The Rise of Modern China** 3
A study of the social, economic, and political developments in China from the Opium Wars to the present. Special emphasis will be given to the nature and significance of the Chinese revolution.
352. **The Rise of Modern Japan** 3
Japanese political, economic, and social developments since 1868. Special topics will include the persistence of traditional elements in modern Japanese culture and the Japanese attraction to Western culture.
- 395, 396. **Selected Topics** 3, 3
Prerequisite: Consent of the instructor. A detailed study of areas of history not normally covered in regular history courses. Offered on demand.
- 485, 486. **Seminar in History** 3, 3
Prerequisite: History major, History 208, and consent of instructor. The study of historical and political issues and problems in a selected period of history. Members of the class will do extensive reading and research on various aspects of the period selected and will use the research methods best suited to the particular project. Yearly.
- 495, 496. **Independent Study** 1-6
Students taking History Honors will earn credit with Honors in this course through concentrated study of selected topics. Other students with particular historical interests which cannot be satisfied in regularly listed courses may register for directed study in areas such as Progressivism, Modern India, Society in the 1920's, Idealism in American Foreign Policy, the Industrial Revolution in England, and others, subject to faculty approval. May be repeated for credit with different topics. Permission of the department is required. Yearly.
- I-99. **Interim Studies** 3
Special topics offered in the January Interim.

**Political Science
Major Requirements**

A candidate for the B.A. in political science must complete thirty semester hours in the major, including 101, 201, 208, and 485 or 486, and at least one course numbered above 300 in each of the four major areas of political science: (a) American Government and Politics/Public Administration; (b) Comparative Government and Politics; (c) International Politics;

and (d) Political Theory, including American Political Thought. Supportive courses required are six hours of history and Economics 201, 202. Students majoring in political science are also expected to complete the intermediate level courses in a foreign language approved by the major adviser. Political Science 101 and 201 or consent of instructor are prerequisite to all 300- and 400-level courses, unless otherwise stated with course description.

A student may be admitted to the Department's Honors Program if he has attained junior standing and meets the other requirements. For details consult the department chairman.

- 101. Introduction to Political Science** 3
Basic principles of political science and political behavior which may be applied at all levels of government. Yearly.
- 201. American Government and Politics** 3
A survey of the foundations and institutions of American government and politics: the Constitution; federalism; separation of powers; campaigns; elections; political parties; interest groups; the media; public opinion; and executive, legislative, judicial, and bureaucratic policy-making at national, state, and local levels.
- 207. International Relations** 3
A survey of current world problems, with emphasis upon world organizations, power politics, international law, geopolitics, and peace organizations. Yearly.
- 208. Historical and Political Science Methods** 3
Prerequisites: Political science major of sophomore standing or consent of instructor. An introduction to methods used in historical and political science research. The course guides the student in developing skills in both humanistic scholarly methods and political science methodology, including quantitative and computer techniques. Yearly.
- 210. State and Local Politics in the South** 3
A survey of problems, functions, and weaknesses in state and municipal governments with emphasis upon political machines, types of municipal government, local planning, and study of government in Louisiana. Yearly.
- 303. Statistics for Behavioral Sciences** 3
Prerequisite: Mathematics 105 or higher. The logic and application of standard statistical tests in the analysis of data. Topics include descriptive statistics, statistical inference, correlation, T-test, and simple analysis of variance. Yearly. (Same as Sociology 303 and Psychology 303.)
- 304. Latin American Politics** 3
Prerequisite: P.S. 101 or History 341, or consent of instructor. A survey of the governments of Latin America, with special attention given to obstacles to political and economic development, including militarism, authoritarianism, dependence, and land tenure patterns.
- 305. Western European Politics** 3
Prerequisites: P.S. 101 or 201 or History 312 or consent of instructor. Political change and development in selected Western European societies. Comparative study of national institutions and processes, emphasizing the socio-economic and cultural context of those societies.

- 306. Political Development in the Third World** 3
Prerequisite: P.S. 101 or consent of instructor. Comparative theories of social change and development in selected countries. Cross-national analysis of parties, military elites, and government structures as they affect political change in third-world nations.
- 307. Political Theory** 3
A study of classic political thought and its use in modern political analysis. Yearly.
- 310. U.S. Foreign Policy** 3
Prerequisites: P.S. 201 or 207 or History 312 or consent of instructor. A study of the processes of American foreign policy decision-making and the development of U.S. foreign policy since World War II.
- 315. Political Attitudes, Opinion, and Communication** 3
Nature, development, formation, and distribution of politically relevant attitudes and opinions; role of leadership, persuasion, and communication in opinion-policy process.
- 316. Political Parties and Elections** 3
Structure and function of party systems, nominations, and campaigns; voting behavior of the electorate.
- 324. International Law and Organizations** 3
Prerequisites: P.S. 207 or 310. An analysis of international law and international organizations as regulators of the international political system. Introduces the student to basic concepts of public international law and its application to specific subject areas such as the law of the sea, human rights, and laws of war. Undertakes a comparative study of the process of international integration, including a detailed analysis of global and regional organizations such as the United Nations and the European Economic Community.
- 330. Public Administration** 3
The study of the character and functions of the administrative institutions of government. Includes the study of bureaucracy as an institution, the sociology of the large administrative organizations, and relationships of these organizations to the other institutions and functions of government. The internal management of government agencies is also considered. Offered on demand.
- 335. Presidency, Congress, and Public Policy** 3
Analysis of the presidency and Congress within the framework of the policy-making process.
- 340. Urban Politics** 3
Prerequisite: Political Science 210 or 201 or permission of the instructor. Growth of cities and metropolitan areas. Emergence of the urban environment as a focus for public policy. Implications of metropolitan development and functions for the organization of government and politics in the United States. Impact of the metropolis on governmental programs will also be considered. Offered on demand.
- 350. American Political Thought** 3
An examination of the role of selected political ideas, doctrines, and themes in America, emphasizing their development and relationships to diverse political interests.
- 355. Constitutional Law and Judicial Behavior** 3
An examination of the constitutional and political powers of the courts: analysis of judicial review, constitutional powers of president and Congress, federalism, sources of regulatory authority, constitutional protection of civil rights and liberties, and public policy formulation through judicial decision-making.

- 395, 396. **Selected Topics** 3, 3
Prerequisite: Consent of the instructor. A detailed study of the area of political science not normally covered in the regular political science courses. Offered on demand.
400. **Internship in Public Administration** 1-3
Designed to provide an opportunity for the student to expand his theoretical knowledge and practical application of administrative principles by first-hand experience in various public agencies. May be repeated once for credit. Offered on demand.
421. **Comparative Economic Systems** 3
The nature and operations of alternative systems for determining resource allocation and utilization. (Same as Economics 421.)
- 485, 486. **Seminar in Political Science** 3, 3
Prerequisite: Political science major. The study of historical and political issues and problems in a selected period of history. Members of the class will do extensive reading and research on various aspects of the period selected and will use the research methods best suited to the particular project. Yearly.
- 495, 496. **Independent Study** 3, 3
Students taking Political Science Honors are required to earn credit for honors in the course through concentrated study of selected topics. Other students with particular interests outside the regular course offerings of the department may register for directed study with permission of the department. May be repeated for credit with different topics. Yearly.
- I-99. **Interim Studies** 3
Special topics offered in the January Interim.

Mathematics

Professor Carlton, *Chairman*
Associate Professors: Spears, Thomas
Assistant Professor: Danvers
Instructor: Manes

The Department of Mathematics aims to contribute to the student's liberal education by showing the role mathematics has played and is playing in the development of civilization and by giving him the opportunity to appreciate mathematics for its own esthetic qualities.

It aims particularly to give fundamental training to students in the natural sciences and engineering and also to those in the social and behavioral sciences. The mathematics curriculum is so planned that a student majoring in the field may choose any one of a number of avenues to follow after graduation, including the teaching profession, industry, computer mathematics, actuarial work, or a combination of mathematics with other scientific training, as well as graduate work in pure mathematics. A description of the Program in Computer Science follows the course listings below.

High school mathematics through trigonometry is the recommended background for incoming freshmen although the admission requirement is less.

Major Requirements

Students with a major in mathematics may receive either a B.A. or B.S. degree, the choice being determined by whether supportive work is predominantly in the humanities or in the sciences.

For either degree a minimum of twenty-seven semester hours of mathematics in courses numbered 201 or higher is required. Nine semester hours must be in courses numbered 401 or higher. Of the thirty semester hours numbered 300 or higher for degree requirements, at least twelve must be taken outside the Department of Mathematics.

Distributive requirements in mathematics may be met by courses numbered 104 or higher.

A student may be admitted to the Honors Program of the Mathematics Department if he has attained junior standing and meets the other requirements. For details consult the department chairman.

100. **Fundamentals of Mathematics** 3
Prerequisite: Consent of instructor. An intensive review of mathematics designed to improve arithmetic and algebraic skills and to prepare students for Mathematics 104, 105, or 107. This course will not count in the 124 hours for graduation. Offered every semester.
104. **Mathematics and Civilization** 3
The tracing of several basic mathematical ideas from their elementary origins to their sophisticated recent versions. Two of these are: (1) the geometric nature of space, and (2) the development of man's computational skill.
105. **Introduction to Finite Mathematics** 3
(Open only to non-science majors.) Statement logic. Elementary theory of sets. Counting problems and probability theory. Vectors and matrices. Applications. Offered each semester.
107. **Elementary Functions** 3
A unified study of elementary functions. Algebraic, exponential, logarithmic, and trigonometric functions and their applications. Offered each semester.
108. **Analytic Geometry and Calculus I** 3
Coordinate systems, straight lines, functions, and graphs. Limits, derivatives of algebraic functions, applications of the derivative. Each semester.
115. **Mathematics for Teachers** 3
(Open for credit only to elementary education majors.) Topics from number theory, geometry, algebra, and the history of mathematics. Offered yearly.
201. **Analytic Geometry and Calculus II** 3
Prerequisite: Mathematics 108. The definite and indefinite integral. Derivatives and integrals of exponential, logarithmic, hyperbolic, trigonometric, and inverse trigonometric functions. Techniques in integration, integration by parts. Offered each semester.

202. Analytic Geometry and Calculus III 3

Prerequisite: Mathematics 201. Further application of the calculus. Basic properties of continuous and differential functions. Infinite series. Plane curves and polar coordinates. Offered yearly.

203. Linear Algebra 3

Prerequisite: Mathematics 108. Systems of linear equations, vector spaces, linear dependence, bases, dimensions, linear mappings, matrices, determinants, applications.

303. Analytic Geometry and Calculus IV 3

Prerequisite: Mathematics 202. Three-dimensional analytic geometry. Introduction to vector analysis. Differential calculus of several variables. Multiple integration. Line and surface integrals. Offered yearly.

304. Foundations of Geometry 3

Prerequisite: Consent of instructor. Advanced Euclidean geometry with emphasis on transformation theory. Topics from ordered geometry, affine geometry, absolute geometry, non-Euclidean geometry, and n-dimensional geometry. Alternate years.

305. Mathematical Statistics 3

Prerequisite: Mathematics 201. Probability, sample spaces. Mathematical models, testing hypotheses. Empirical and theoretical frequency functions. Correlation and regression. Testing goodness of fit. Alternate years.

306. Modern Algebra 3

Prerequisites: Mathematics 201 and 203, or consent of instructor. Basic properties of groups, rings, fields. Alternate years.

307. Differential Equations 3

Prerequisite: Mathematics 303. Common types of ordinary differential equations, especially of the first and second order. Problems which lead to differential equations and the standard methods of their solution. Yearly.

395, 396. Selected Topics 3, 3

Prerequisite: Consent of the instructor. A study of an area of mathematics not normally covered in the regular mathematics courses. Offered on demand.

398. Colloquium, Oak Ridge Semester 1

Prerequisites: Junior standing and admission by SCUU Selection Committee. A program of speakers on a variety of scientific and social issues presented by staff at Oak Ridge National Laboratory under supervision of resident SCUU faculty. (Same as Biology 398/Chemistry 398/Physics 398.)

399. Research, Oak Ridge Semester 1-6

Prerequisites: Junior standing and admission to the program by the SCUU Selection Committee. Research performed through participation in the SCUU-Oak Ridge Semester Program under supervision of senior staff at Oak Ridge National Laboratory. (Same as Biology 399/Chemistry 399/Physics 399.)

400. Internship in Mathematics 1-3

(For mathematics majors only — not included in the required nine courses for the major.) Credit is given for on-the-job training in certain vocational areas of mathematics.

403. Topology 3

Prerequisite: Mathematics 303. A survey of fundamental properties of topological spaces with particular emphasis on the real number system. Connectedness, compactness, continuous mapping, homomorphism, metric spaces. Spring of alternate years.

404. Vector Analysis 3

Prerequisite: Mathematics 303. A basic course in vectors. Topics include vector and scalar products, vector equations, and vector calculus. Applications from differential geometry and physics. Curvature, torsion, and Gaussian curvature. Yearly.

405. Numerical Analysis 3

Prerequisites: Mathematics 303 and 123 or the equivalent. Selected numerical methods dealing with the solution of algebraic and transcendental equations, finite differences and interpolation, integration, and differential equations. Alternate years.

407. Introductory Real Variable Theory I 3

Prerequisite: Mathematics 303. Real and complex systems, sets, metric spaces, continuity, and differentiation. Alternate years.

408. Introductory Real Variable Theory II 3

Prerequisite: Mathematics 407. Riemann-Stieltjes integral, sequences, and series of numbers and functions. Alternate years.

495, 496. Independent Study in Mathematics 1-6

(Open to advanced students in mathematics with departmental approval.) One hour conference per week. Library and research work pertinent to the area of study selected. A written thesis is required.

I-99. Interim Studies 3

Special topics offered in the January Interim.

Computer Science Program

The program in computer science is offered for students with majors in mathematics, business, economics, government, and other fields who are choosing to enter the field of data processing or who wish to continue study of computer science in graduate school.

In addition to major work and the four courses listed below a student in this program is required to take Business 328, Business 415, and a statistics course from either the mathematics, economics, or psychology departments. It is recommended that he take at least the first semester of calculus and Mathematics 203. The courses below, offered for the computer science program, are not included in the required courses for a major in mathematics. Of that group only Mathematics 123 may be used to satisfy distributive requirements in mathematics. (For further description see page 30.)

The Department of Mathematics also offers the courses necessary for the student to proceed successfully in the "Three-two" Program in Mathematics/Computer Science, described elsewhere in this catalogue.

123. Computer Systems 3

Introduction to computer languages, methods, and operations, with particular emphasis on Fortran IV and its application to a variety of problems using the College computer. Each semester.

223. Computer Systems—COBOL

3

An introduction to computer programming in the business-oriented language COBOL. Hands-on experience in writing, running, and debugging programs provided. Applications and problems primarily business-oriented. (Same as Business 223.)
324. Information Systems

3

Prerequisites: Mathematics 123 and 223; or Mathematics 123 and concurrent enrollment in Mathematics 223, and consent of instructor. Introduction to advanced programming techniques, file organization and manipulation, sorting and searching, error checking, and program documentation. A system of programs will be designed, written, and tested to implement some type of computer application. Yearly.
401. Internship in Computer Science

1-3

Prerequisite: Mathematics 123 or 223. Credit is given for on-the-job training in certain vocational areas of computer science.

Military Science

Professor Harris, *Commandant*
Assistant Professor: Foster
Instructor: Ivy

Recognizing the need for military officers with a good liberal arts education, Centenary College offers its students, male and female, the opportunity to elect courses in Military Science which may lead toward commissions in the National Guard, the U.S. Army Reserve, and the Regular Army. This program comprises selected Military Science courses along with the regular College curriculum designed to enable the student to develop qualities of leadership and management abilities.

Instruction presented by the Department of Military Science is divided into the basic course (first two years) and advanced courses (3rd and 4th years). Students with prior military service, Junior ROTC training, or other ROTC training may apply for placement credit toward fulfillment of the basic course requirements through petition through the dean of the College. The amount of the placement credit granted will be determined on an individual basis by the dean in consultation with the Professor of Military Science.

Military Science credits may be accepted for degree requirements. All basic Military Science courses and all advanced laboratory Military Science courses are classified as activity classes subject to the restrictions in Section 1 under Degree Requirements (see page 23, current College catalogue). In addition, up to six

semester hours of advanced Military Science courses may be applied toward graduation. Thus, a total of up to fourteen hours may be counted toward graduation. Further information should be obtained from the dean of the College.

THE BASIC COURSE

Enrollment in the basic course is voluntary; that is, no military obligation is assumed on enrollment. The instruction covers common subjects applicable to the Army as a whole. Course work includes Military Science 101, 102, 201, and 202. (For more detailed information on the content of the military courses offered, see the Courses of Instruction section of the Bulletin, under the heading of Military Science.)

ADVANCED COURSE

Enrollment in the advanced course is competitive. Selection is based on completion of the basic course, or its equivalent, academic achievement, Military Science qualifying test scores, and physical condition. The military course work consists of Military Science 301, 302, 401, and 402. During the summer between the two years of the advanced course, the student is required to attend a five to six weeks' training program at an active Army installation. Satisfactory completion of the advanced camp is a prerequisite to receiving a commission in the United States Army. Any student who does not maintain the standards established for the advanced course members may be dismissed from Military Science at the discretion of the Professor of Military Science.

BASIC COURSE EQUIVALENCY

The Professor of Military Science may grant credit for the basic course to selected individuals, and thereby provide them the opportunity to enter directly into the advanced course. Any veteran who meets the requirements for enrollment in the advanced course, because of active service experience, will be evaluated, and advanced placement may be granted on an individual basis. Junior ROTC training will be evaluated and credit for some or all of the basic course may be granted. Any student with equivalent training in ROTC courses offered by other services will be granted credit for the equivalent courses offered by this department.

TWO-YEAR PROGRAM

The two-year program allows sophomores with no prior military or ROTC experience to enter the advanced course after completion of an ROTC basic camp during the summer semester prior to the junior year. Further information may be obtained from the office of the dean.

ALLOWANCES

Each student enrolled in the advanced course is paid a subsistence allowance of \$100 per month for each month enrolled, up to a maximum of twenty months. The six-week advanced camp, normally attended in the summer between the junior and senior years, entitles the student to approximately \$500, as well as travel expenses to and from the camp. Uniforms and meals are provided at no cost to the student. The pay and allowances for the student attending basic camp as part of the two-year program are equivalent to those of the advance camp students. All payments for the above items are non-taxable and in no way jeopardize the status of a student utilizing the educational benefits of the GI bill.

SCHOLARSHIPS

Merit scholarships are available on a competitive basis. These scholarships are given on the basis of demonstrated academic ability and leadership potential. Scholarship pay: tuition, textbook costs, incidental educational expenses, and a monetary allowance of \$100 a month.

TEXTBOOKS AND EQUIPMENT

Textbooks and equipment are furnished without cost to the student.

MILITARY SCIENCE - BASIC COURSES

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|--|----------|
| 101. Basic Marksmanship | 1 |
| Practical application of marksmanship and safety. One hour of lecture/laboratory. | |
| 102. Basic Leadership | 1 |
| Practical application of the principles of leadership and management by objectives. One hour of lecture/laboratory. | |
| 201. Orienteering | 2 |
| Introduction to basic orienteering skills, physical fitness, map reading, terrain association, and cross-country land navigation. Two hours of lecture/laboratory. | |

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|---|----------|
| 202. Individual Tactical Training | 2 |
| Training to include basic skills of the individual soldier, combat techniques, military weaponry, and principles of war. Two hours of lecture/laboratory. | |

ADVANCED COURSES

- | | |
|--|----------|
| 301. Advanced Military Science I | 3 |
| Theory and practical application of methods of instruction, map and aerial photograph reading, and the Army communications system. Three hours lecture. | |
| 311. Advanced Military Science I Laboratory | 1 |
| Practical exercises designed to develop squad and platoon drill proficiency, orienteering skills, and physical fitness. One hour laboratory. | |
| 302. Advanced Military Science II | 3 |
| Small unit tactics, troop leading procedures. Patrolling, offensive and defensive tactics up through company level. Role and origin of branches of the Army. Three hours lecture. | |
| 312. Advanced Military Science II Laboratory | 1 |
| Practical exercises to conduct small unit offensive and defensive operations, patrolling, operating military communications systems, organizational weaponry and physical fitness. One hour laboratory. | |
| 401. Staff Organization and Functions | 3 |
| Study of military operations emphasizing fundamental command and staff responsibilities. Problem-solving techniques, preparation of plans and field orders, and military tactics and organization. Three hours lecture. | |
| 411. Staff Organization and Functions Laboratory | 1 |
| Exercises in practical leadership and Army staff relationships. Focus on development of military managerial skills. One hour laboratory. | |
| 402. Professional Development | 3 |
| Subject areas designed to prepare the individual for entrance to active duty, including personnel management, unit administration, military law, and national policies and their military implications. Three hours lecture. | |
| 412. Professional Development Laboratory | 1 |
| Practical exercises in leadership, military personnel management, and administration of military justice. One hour laboratory. | |

Hurley School Of Music

Professor F. Carroll, *Dean*

Professors: Reynolds, Rupert, W. Teague

Associate Professors: Armes, Dean

Instructor: Riley

Lecturers: Andress, Bernet, Buckner, C. Carroll, P. Cooper, L. Crawford, Hallquist, Hooker, McKinney, Odom, Randisi, J. Reynolds, Savant, C. Teague

Centenary College offers the B.A. degree with a major in music and the B.M. Degree with majors in applied music, music education, sacred music, and composition. The Hurley School of Music at Centenary College is a full member of the National Association of Schools of Music.

It adheres to the highest musical and academic standards and seeks to prepare students for entry into the world of music as performers, teachers, church musicians, and professionals in related fields.

The School of Music also offers many opportunities for a rounded liberal arts education and provides cultural enrichment to the campus and community.

DEGREE PROGRAMS

Candidates for all degrees in the Hurley School of Music will meet the following requirements:

Piano Proficiency

All music majors will be expected to demonstrate an adequate proficiency in piano. This proficiency test will include sight reading, accompanying, and performing at a reasonable level determined by the School of Music and should take place during the second semester of the sophomore year.

Ensemble

Full-time music majors must participate in an ensemble each semester they are enrolled in a degree program. These students are expected to accumulate eight hours of ensemble credit; however, no more than eight hours can be applied toward the 124 hours necessary for graduation.

Recital Attendance

Majors will attend all student recital hours. In addition, they will attend a minimum of ten formal concerts and recitals per semester.

MUSIC COURSE REQUIREMENTS

All music curricula leading to the B.M. degree require the following courses: an applied major (Music 100, 200, 300, 400) or concentration (Music 150, 250, 350, 450), Music 001-002 for each semester as a music major, Music 111-112, 141-142, 211-212, 323, 326, 341-342, 441, and participation in an ensemble. Additionally, majors in the areas listed below must complete the courses indicated:

Voice Performance — Music 107-108, 214, 442, applied secondary piano, junior and senior recitals.

Piano Performance — Music 214, 309-310, 411, 442, and junior and senior recitals.

Composition — Music 214, 411, 442, and junior and senior recitals.

Orchestral Instrument — Music 214, 411, 442, secondary applied piano, junior and senior recitals.

Organ Performance — Music 214, 315-316, 411, 442, secondary applied voice and piano, junior and senior recitals.

Sacred Music (organ) — Music 214, 315-316, 360-361, 460, 442, senior recital.

Sacred Music (voice/choral) — Music 107-108, 214, 360-361, 460, 442, secondary applied piano and organ, senior recital.

Music Education (instrumental) — Music 331, 332, 333, 334, 411, applied secondary piano, and applied electives.

Music Education (vocal) — Music 107-108, applied secondary piano, and applied electives.

Music Education (piano) — Music 335-336, applied secondary voice, and applied electives.

RECITALS

Many of the music curricula require the successful performance of an approved junior and senior recital. Junior recitals are approximately thirty minutes in length and senior recitals, one hour. If a curriculum requires only the senior recital, it should be approximately thirty minutes long.

Music students are expected to perform at least once each semester in the area of their applied major or concentration at the weekly recitals (Music 001-002).

Bachelor of Arts: Music Major

Areas of concentration are piano, organ, voice, and the orchestral instruments. The candidate must meet the distributive requirements of the College and in addition complete Music 001-002, 150, 250, 350, 450, Music 111-112, 211-212, 141, 142, and six semester hours of music history (Music 341, 342, 441, or 442).

The successful performance of an approved recital (approximately thirty minutes' duration) is required in addition to the curricular requirements noted above.

ADMISSION

In addition to meeting the admission requirements of Centenary College, candidates for a music degree must further pass an audition in their major performing medium in order to be admitted to the Hurley School of Music.

Applied Music

Students who meet all admission requirements but fail to meet School of Music standards in Applied Music will be allowed to register for Music 170 (Applied Secondary) until they attain minimum applied music standards. Such students will then be admitted to the normal applied music course sequence at a level consistent with their achievement (Music 100, 200, et seq.). Arrangements for audition or submission of a tape should be made prior to registration with the dean of the School of Music.

Examinations in applied music are held at the end of each semester before the appropriate music faculty. At the end of the sophomore year, all music majors will be expected to qualify in the area of their applied music major before a full faculty jury. The recommendation of the jury will determine whether or not these students continue in the applied music course sequence they have elected.

TRANSFER STUDENTS

Transfer students will be required to audition in the area of their applied major or concentration to determine whether or not equivalent standards have been met. Placement examinations in music history and music theory may also be required. Until auditions and examinations have been completed and evaluated, music credit for any transfer student will be provisional.

- 001-002. Recital and Reading** 0-0
All music majors are required to register for Recital and Reading every semester in which they are enrolled at Centenary.
- 107-108. Voice Laboratory** 2-2
Survey of pronunciation of Italian, French, German, and English. International phonetic alphabet used. Required for all voice concentrations as part of the applied music major.
- 111-112. Elementary Music Theory** 4-4
An integrated study of theory. Part-writing, keyboard, sight-singing, and ear-training are presented concurrently in order to make the student aware of the relationships between these elements. Small formal units are included. Required for all music majors.

- 129-130. Piano Class** 1-1
For non-keyboard music majors working to pass the piano proficiency examination and for electives. Two class hours and six practice hours weekly.
- 139-140. Voice Class** 1-1
Fundamentals of voice production. For non-voice majors and for electives. (Offered for beginning levels only.)
- 141-142. Introduction to Music History and Literature** 2-2
An introduction to the principal styles, composers, forms, and media found in the standard repertoire. Required for all music majors.
- 143-144. Music Appreciation** 3-3
A cultural course for the general college student. Survey of the principal musical styles and media. Not for music majors.
- 211-212. Advanced Music Theory** 4-4
Prerequisites: Music 111-112. A continuation of Music 111-112, with emphasis on modulation, altered chords, larger formal structures, and some contemporary techniques. Required for all music majors.
- 214. Counterpoint** 3
Prerequisite: Music 211. A study of 18th-century contrapuntal techniques through composition and analysis.
- 229-230. Piano Class** 1-1
Continuation of Music 129-130. Piano proficiency examination is the final examination for Music 230. Two class hours, six hours' practice weekly.
- 309-310. Composition** 1-1
Prerequisites: Music 211-212. Basic techniques of composition. Writing in smaller forms. Alternate years.
- 315-316. Accompanying and Improvisation** 2-2
The art of accompanying on the organ and the adapting of other scores to the organ. Develops fluency in improvisation at the organ by using basic keyboard skills, basic forms, and modulation. Alternate years.
- 323. Principles of Conducting** 2
A study of the basic principles of conducting. Familiarity with baton techniques, basic patterns, and elementary score reading.
- 326. Techniques of Conducting** 2
A study of the techniques related to both choral and instrumental conducting. Consideration of the problems involved in conducting a vocal ensemble, a band, an orchestra, and groups with both singers and players.
- 329. Music Education** 3
Theory of music and elementary music teaching methods for the general classroom teacher.
- 331. String Class** 2
Study of the principles of string instruments. Meets twice weekly. Offered alternate years.
- 332. Woodwind Class** 2
Study of the principles of woodwind instruments. Meets twice weekly. Offered alternate years.
- 333. Brass Class** 2
Study of the principles of brass instruments. Meets twice weekly. Offered alternate years.
- 334. Percussion Class** 2
Study of the principles of percussion instruments. Meets twice weekly. Offered alternate years.
- 335-336. Piano Teaching Methods** 2-2
Survey of piano pedagogy with review of various methods and approaches to the teaching of piano.

341. Music History I	3
Prerequisites: Music 211-212 or consent of the instructor. A study of music from antiquity through the Renaissance.	
342. Music History II	3
Prerequisites: Music 211-212 or consent of the instructor. A continuation of Music 341 with a survey of Baroque styles and literature.	
360. Sacred Music I: Liturgical Music and Hymnology	3
History of the development of various liturgical forms, the Mass, the Judaic musical heritage, Anglican and Lutheran liturgies. Origins and uses of the great hymns, the ecclesiastical year, and music appropriate to it.	
361. Sacred Music II: Organ and Choral Literature	3
Study of the various forms of choral and organ literature with detailed study of representative compositions. Organ and choral literature with practical application for the church musician.	
395, 396. Selected Topics	1-3
An intensive study of an area not normally covered in the music curricula. Consent of instructor.	
411. Music History III	3
Prerequisites: Music 211-212 or consent of instructor. A survey of music beginning with the late 18th century and proceeding to the present.	
442. Twentieth-Century Music	3
Prerequisite: Music 411 or consent of instructor. Intensive individual studies in 20th-century techniques and literature. May be repeated for 3 hours' credit.	
460. Sacred Music III: Church Music Management and Internship	3
The organization and administration of a complete church music program. Rehearsal planning and techniques, graded choir system, the music program and its integration into the total church program, equipment, music library, organ design and placement. Practical application and observation of church music programs in the local area.	
I-99. Interim Studies	3
Special topics offered in the January Interim.	

APPLIED MUSIC: PRIVATE INSTRUCTION

100. Applied Major	4-4
Freshman applied music for B.M. in performance. One-hour private lesson weekly for two semesters with minimum of twenty hours' practice a week.	
200. Applied Major	4-4
Sophomore applied music for B.M. in performance. One-hour private lesson weekly for two semesters with minimum of twenty hours' practice a week.	
300. Applied Major	4-4
Junior applied music for B.M. in performance. One-hour private lesson weekly for two semesters with minimum of twenty hours' practice a week.	
400. Applied Major	4-4
Senior applied music for B.M. in performance. One-hour private lesson weekly for two semesters with minimum of twenty hours' practice a week.	
150. Applied Concentration	2-2
Freshman applied music for B.M. in Music Education, B.M. in Sacred Music, or B.A. in performance. One-hour lesson weekly for two semesters with a minimum of ten hours' practice a week.	

250. Applied Concentration	2-2
Sophomore applied music for B.M. in Music Education, B.M. in Sacred Music, or B.A. in performance. One-hour lesson weekly for two semesters with a minimum of ten hours' practice a week.	
350. Applied Concentration	2-2
Junior applied for B.M. in Music Education, B.M. in Sacred Music, or B.A. in performance. One-hour lesson weekly for two semesters with a minimum of ten hours' practice a week.	
450. Applied Concentration	2-2
Senior applied music for B.M. in Music Education, B.M. in Sacred Music, or B.A. in performance. One-hour lesson weekly for two semesters with a minimum of ten hours' practice a week.	
170, 270, 370, 470. Applied Secondary	1-1
Half-hour lesson weekly with minimum of seven hours' practice a week. For minor instrument, voice, or non-major elective. Also may be recommended for entering freshmen who are deficient in their applied area. May be repeated for additional credit.	

ENSEMBLES

151. Band	1-1
The Band offers training in the performance of works written specially for wind ensembles. Some public performances. Audition required.	
152. Stage Band	1-1
Exploration of the literature for the big band. This group plays at all home basketball games and has several public performances. Audition required.	
153. Centenary Choir	1-1
The Centenary Choir performs a wide variety of choral literature and makes many public performances. By audition only.	
154. Hurley Chamber Singers	1-1
This group sings the great choral chamber literature from all periods of music history. Many public performances. Membership by audition.	
155. Orchestra	1-1
The Shreveport Symphony is resident at the Hurley School of Music. Professional positions available to advanced players.	
156. Hurley Chamber Orchestra	1-1
School of Music orchestra which plays a full range of chamber literature and accompanies standard choral and concerto literature.	
157. Opera Workshop	1-1
An operatic workshop which includes training in basic opera repertoire and tradition, coaching, instruction in acting techniques, stage deportment, and preparation for productions leading to public performances. Audition required.	
158. Symphony Chorale	1-1
The Shreveport Symphony Chorale prepares and performs the major choral works with the Shreveport Symphony.	
159. Piano Accompanying	1-1
A study of the art of vocal and instrumental accompanying.	
160. Chamber Ensembles	1-1
Ad hoc quartets, quintets, trios, etc.	

Philosophy

Professor Cox, *Chairman*
Adjunct Professor: Beaird

The courses in philosophy are designed to acquaint the student with systems of thought about life and reality, and to help him understand the function of intelligence in life. To this end the department provides courses in problem areas contributing to other academic disciplines and the general liberal arts program of the College, and a major in preparation for professional or graduate work. Although in general all the courses are designed for students who have attained sophomore or higher standing, exceptions may be made by the instructor for students with particular abilities. Philosophy 101 is not considered a necessary prerequisite for other courses.

Major Requirements

A philosophy major is required to take thirty semester hours in philosophy, including 202, 209 or 210, 301, 302, and six semester hours at the 400 level. The approval of the entire course of study by a departmental adviser is also necessary. Six hours at the intermediate level of a departmentally approved foreign language are required.

In cooperation with other departments and programs of the College, the Philosophy Department offers a Course of Study in Practical Ethics and its related specialties such as biomedical ethics, legal ethics, and business ethics. The Course of Study is designed for students pursuing careers in the areas of business and management, education, journalism, health sciences and services, law and legal services, social sciences and services, religion and religious vocations. This Course of Study can also lead to a major in philosophy. Specific courses required by the Course of Study in Practical Ethics are 202 (Ethics); 209 (Practical Logic); 285 (Seminar in Practical Ethics); a choice of 395 (Special Topic: Social Philosophy), or 485, 486 (Seminar in some specialty in Practical Ethics), or 495 (Independent Study in some specialty in Practical Ethics). Students who fulfill these requirements will receive a certificate of completion.

101. Introductory Problems in Philosophy 3
An introduction to philosophical method through problems selected from such areas as theory of knowledge and reality, art, ethics, religion, and science. Yearly.

202. Ethics 3
An introduction to the basic concepts and problems of ethics. Ancient and modern theories considered. Yearly.

205. Esthetics 3
A philosophical study of the creative impulse, the art object, and the esthetic experience. Yearly.

209. Practical Logic 3
A survey of the practical uses of logic in everyday life in reference to such topics as logic and language, informal fallacies, and the general character of deduction and induction. Yearly.

210. Symbolic Logic 3
Prerequisite: Philosophy 209 or permission of department. An introduction to the basic formal principles and methods of symbolic logic and deductive inference. On demand.

285. Seminar in Practical Ethics 3
Prerequisite: Philosophy 202 or permission of instructor. Discussion of major topics in Practical Ethics in general and of selected topics related to specialized areas such as bioethics, business ethics, and legal ethics. May not be repeated for credit. Advanced courses in Practical Ethics are offered through Seminars (485, 486) and Independent Study (495).

301. History of Ancient and Medieval Philosophy 3
An examination of the major philosophical systems from the early Greeks to the 17th century. Yearly.

302. History of Modern Philosophy 3
An examination of the major philosophical systems from the 17th century to the present. Yearly.

303. Philosophy of Religion 3
A study of the problems of religious language and truth, the existence of God, and related religious concepts. Yearly. (Same as Religion 303.)

304. Contemporary Philosophy 3
An examination of the major figures and types of 20th century philosophy. Alternate years.

307. Philosophy of Eastern Religions 3
A historical study of the fundamental philosophical concepts of Near and Far Eastern religions and ethical systems. Alternate years. (Same as Religion 307.)

395, 396. Selected Topics in Philosophy 3,3
Prerequisite: permission of instructor. The department is able to offer on demand specialized topics that it cannot offer on a regular basis. These topics include: social philosophy (theory of social values), epistemology, metaphysics, philosophy of social science, philosophy of natural science. Course, but not individual topics, may be repeated for credit.

485, 486. Seminars 3,3
Prerequisite: Permission of instructor. Group study of historical topics or of problems, as determined by student interest and need. Study based on student discussion and papers. Offered yearly, or upon demand.

495, 496. Independent Study 1-6
Prerequisite: Permission of instructor. Independent research and writing on a problem of student's choosing with approval and under direction of instructor. Offered yearly, or upon demand.

I-99. Interim Studies 3
Special topics offered in the January Interim.

Physical Education

Associate Professor Farrar, *Chairman*
Instructors: Edwards, Glasgow

The Department of Physical Education offers an opportunity for all students to participate and acquire skills and knowledge in a variety of sports and activities, including individual and team sports, conditioning exercises, dance, gymnastics, and swimming. Opportunities for competitive experiences for both men and women in a variety of sports and activities are provided through the intramural program. The department prepares its majors for teaching in elementary and secondary schools, athletic coaching, recreational work in churches, and admission to graduate school.

Activity courses are open to all students who wish to participate. Courses numbered 101 through 202 are activity courses. Non-majors wishing to take theoretical courses in physical education must have authorization from the department chairman. In most instances P.E. 223 is a prerequisite for all theoretical courses with the exception of I-99, 221, 239, 321, 354, and 357.

Major Requirements

Candidates for the B.S. degree in physical education must meet all distributive requirements of the College and complete thirty-two hours in physical education. The following courses must be taken by all physical education majors: 221, 223, 324, 330, 424, and eight hours of skills and techniques, including not more than four hours in coaching. All physical education majors must also take Biology 217. The remainder of the thirty-two hours must be taken from physical education courses numbered 120 or above and be approved by a faculty adviser.

All majors wishing to certify as teachers must meet state certification requirements in secondary education. (See Education.)

To be certified as a teacher in health and safety as well as physical education, P.E. 224, 321, 354, and 357 should be taken.

101-102. Varsity Athletics	1
Activity course for individuals engaged in varsity athletics, cheerleading, and pom-pom dancing.	
121-122. Ballet (Beginning)	1-1
Introduction to the fundamentals of classical ballet and vocabulary. (Same as T/S 121-122.)	
123-124. Tap (Beginning)	1-1
Basic tap technique and vocabulary. (Same as T/S 123-124.)	
125-126. Jazz (Beginning)	1-1
Introduction to basic modern jazz technique and vocabulary with emphasis on body placement and exercises to increase the flexibility of the body. (Same as T/S 125-126).	
201-202. Co-Educational Activity	1-1
Archery, Badminton, Basic Marksmanship, Bowling, Conditioning Exercises, Dance (Tap, Ballet, Jazz), Golf, Gymnastics, Power Volleyball, Racketball, Swimming, and Tennis.	
211. Orienteering	2
Introduction to basic orienteering skills, physical fitness, map-reading, terrain association, and cross-country land navigation. Lecture and laboratory. Yearly. (Same as MSC 201).	
R 221. First Aid and Personal Safety	2
Designed to develop competence in rendering immediate and temporary aid to a victim of accident, sudden illness, or athletic injury. Theoretical and practical approach. Covers both standard and advanced courses of the American National Red Cross, with certificates granted for satisfactory work. Meets three hours each week. Each semester.	
222. Techniques of Gymnastics	2
Instruction in the techniques of teaching basic skills in men's and women's gymnastics. Yearly.	
R 223. History and Principles of Physical Education	3
An introductory course designed to acquaint students with the biological, psychological, and sociological foundations of physical education, and to provide historical reference sufficient for intelligent interpretation and evaluation of current practices in the field. Yearly.	
224. Safety Education	3
A study of safety, including causes and prevention of accidents in home, school, traffic, industry, and recreation; laws concerning legal liability, accidents, and liability insurance. Alternate years.	
231. Organization and Administration of Intramural Sports	2
Prerequisite: Consent of instructor. A study of methods commonly used in organizing and administering a program of intramural sports in public schools. Emphasis is given to classification for competition, rules and regulations, league play statistics, arrangements, and officiating. Each semester.	
233. Sports Officiating	2
Principles, techniques, and practices of officiating with emphasis on rules, rule interpretations, and mechanics. Practical experience will be arranged. Alternate years.	
239. Materials and Methods of P.E. for the Elementary Grades	3
A study of factors influencing effective organization and instruction of physical education in the modern elementary school with emphasis upon movement education. Yearly.	
321. Personal and Community Health	3
An introduction to factors influencing and determining personal and community health with emphasis upon major health problems of adults and environmental health problems. Yearly.	

324. **Kinesiology** 3
Prerequisite: Biology 217. A study of the factors influencing bodily movement. Consideration is given to the mechanical and physiological actions of joints and muscles. Alternate years.
330. **Tests and Measurements** 3
A study of tests designed to measure health, physical fitness, strength, motorability, game skills and the use of the results of the tests. Yearly.
331. **Swimming and Lifesaving Techniques** 2
A course designed to develop basic skills in swimming as well as the ability to aid others in distress in water. Senior Lifesaving Certificate of the American National Red Cross may be obtained. Yearly.
334. **Folk and Square Dance Techniques** 2
Techniques of teaching folk, ballroom, and square dance. Alternate years.
341. **Theory and Techniques of Individual Sports** 3
Techniques of teaching lifetime sports which are popular as leisure activities. Yearly.
342. **Theory and Techniques of Team Sports** 3
Analysis techniques, progression in presentation, practice, lead-up activities, and knowledge of official rules. Yearly.
347. **Techniques of Coaching Football and Basketball** 3
A study of the basic offensive and defensive formations and patterns, their strengths and weaknesses. Instruction in fundamentals, program organization, and administration are included. Yearly.
348. **Techniques of Coaching Baseball and Track and Field** 3
A study of the fundamentals of baseball and track and field events, game strategies, and meet administration. Yearly.
354. **School Health** 3
A study of major health problems of elementary school children including health screening, methods, materials, and modern health resources.
357. **Consumer and Nutrition Education** 3
A study of health services, products, and nutrition with emphasis upon methods and materials pertinent to health education.
- 395, 396. **Selected Topics** 3,3
A detailed study of an area of physical education not normally covered in regular physical education courses. On demand.
424. **Administration of Health and Physical Education** 3
A study of the principles underlying the organization and administration of programs of health and physical education in modern schools. Yearly.
- 495, 496. **Independent Study** 1-6
Prerequisite: Permission of department chairman. A course of directed study and independent work under the supervision of a member of the department. In certain cases credit may be given for supervised work in community and college activities in the field of physical education. On demand.
- I-99. **Interim Studies** 3
Special topics offered in the January Interim.
Sample topics: Techniques of Coaching Basketball; Establishing Recreational Programs; Child Abuse; Therapeutic and Adaptive Activities; International Soccer Program.

Physics And Engineering

Associate Professor Trahan, *Chairman*

Professor: White

Assistant Professor: Hallee

Professor Emeritus: Parker

The physics curriculum is made up of introductory courses designed to familiarize the non-science major with the fundamental concepts of physics and astronomy; courses designed to give the science major a firm grasp of the principles of classical and modern physics; and advanced courses designed to prepare the physics major with the necessary background in experimental and theoretical physics to meet the demands of graduate study and research.

The freshman who plans to major in physics should have a high school background in mathematics through trigonometry. In the absence of such preparation, he is strongly advised to take Mathematics 107 or an equivalent course during the summer session prior to the fall semester of his freshman year.

Major Requirements

There are two major programs in physics, one leading to the degree of Bachelor of Arts, the other to the degree of Bachelor of Science. The B.A. degree requires the following courses: Physics 104, 114, 105, 115, 204, 211, 301-302, 311, 321, and 413; in addition the B.A. degree requires either Physics 306 or Engineering 322; Mathematics 108, 201, 202, and 303; and two courses in one of the related fields of chemistry, geology, biology, astronomy, or engineering. The B.S. degree requires the same courses as the B.A. degree and in addition Physics 306, 307, 312, 414, and 424 and Mathematics 307. The two related courses must be Chemistry 101-102, 111-112.

Physics

001-002. Physics Problems I-II

0

A supplement to the required work of Physics 104, 105, providing additional practice in setting up and solving problems within the scope of these courses. Yearly.

- 101. Conceptual Physics** 3
A non-mathematical physics course for non-science majors which emphasizes the ideas of physics by examining the phenomena of our everyday environment.
- 104. Introductory Physics I** 3
Prerequisite: Math 108. The principles and classic experiments of mechanics and thermophysics. Kinematics and elementary dynamics of point masses and rigid bodies. Kinetic theory; first and second laws of thermodynamics; heat conduction. Offered in spring. Yearly. (Formerly 108.)
- 105. Introductory Physics II** 3
Prerequisites: 104 and Math 201 previously or concurrently. Theory and classic experiments of electricity, magnetism, and optics. Geometrical and physical optics, fields of potentials, dielectric materials, DC and AC circuits. Offered in fall yearly. (Formerly 209.)
- 114. Classical Physics Laboratory I** 1
Prerequisite: 104 or concurrent enrollment therein. Introduction to laboratory techniques including experimental procedures, experiment evaluation, methods of data reduction and reporting of results; experiments taken from the area of mechanics. (Formerly 118.)
- 115. Classical Physics Laboratory II** 1-1
Prerequisites: 114 and either 105 or concurrent enrollment therein. A continuation of Physics 114 with experiments taken from the area of optics, thermophysics, electricity and magnetism. (Formerly 219.)
- 204. Introductory Modern Physics** 4
Prerequisites: 105 and 115. Quantum phenomena, relativity, and introduction to statistical mechanics. The quantum hypothesis; the Bohr-Rutherford atom and the origin of spectral lines; de Broglie waves and the Schrodinger equation. The relativity principle and the constancy of the speed of light. Boltzmann statistics, quantum statistics and simple applications. Introductions to the physics of nuclei. Laboratory work illustrates these principles, but is sufficiently independent that it may be taken alone for one hour credit, with the consent of the instructor and appropriate choice of experiments. Yearly.
- 211. Mathematical Methods of Physics and Engineering** 4
Prerequisites: Physics 105, 115 and Mathematics 202. An introduction to basic mathematical methods and techniques used in the solution of physical problems with emphasis on physical problems rather than theory. Topics solutions of differential equations, Laplace transforms, Fourier series, an introduction to methods of solving partial differential equations. Laboratory exercises are devoted to the discussion of particular problems and techniques in detail. Sufficient computer programming is taught to permit the effective use of the computer in solving problems. (Same as Engineering 211.)
- 301-302. Physics Laboratory** 1-1
Prerequisites: 204 and 211. Advanced experimental techniques in physics. Design and construction of apparatus, including use of the machine shop. Electronic techniques and precision instrumentation. Experiments are selected in consultation with the instructor, and may include topics in mechanics, thermophysics, electricity, magnetism, optics, or modern physics. Three hours of laboratory weekly. Yearly.
- 306. Light and Optics** 3
Prerequisite: Physics 211. A general treatment of the principles of geometrical and physical optics including optical instruments, interference, diffraction, absorption, scattering, dispersing, and polarization.

- 307. Electronics for Scientists** 4
Prerequisites: 105 and consent of instructor. Principles and applications of solid state electronics, with emphasis upon laboratory instrumentation, limitations of electronic devices, and the practical aspects of instrumentation systems. Electrical measurements, power supplies, amplifiers, oscillators, operational amplifiers, servomechanisms, logical and digital circuits. Three hours of recitation and three hours of laboratory per week. Alternate years.
- 311. Intermediate Mechanics** 3
Prerequisite: 211. A vector treatment of mechanics. Forces and moments, statics, particle kinematics and dynamics. Work, kinetic and potential energy, impulse and momentum. Orbits of a particle in a central force field. Yearly. (Same as Engineering 311.)
- 312. Dynamics** 3
Prerequisites: 311 and Mathematics 307 previously or concurrently. Rigid body motion in three dimensions, generalized coordinates, Lagrange and Hamiltonian formulations. Vibrating systems and normal modes; mechanics of continuous media. Yearly. (Same as Engineering 312.)
- 321. Thermodynamics** 3
Prerequisites: Physics 211 and Mathematics 303 previously or concurrently. A study of the fundamentals of classical thermodynamics. Properties of a pure substance, work and heat, first and second laws of thermodynamics, entropy, enthalpy, thermodynamic relations, mixtures and solutions. (Same as Engineering 321.)
- 398. Colloquium, Oak Ridge Semester** 1
Prerequisites: junior standing and admission by SCUU Selection Committee. A program of speakers on a variety of scientific and social issues presented by staff of Oak Ridge National Laboratory under supervision of resident SCUU faculty. (Same as Biology 398/Chemistry 398/Math 398.)
- 399. Research, Oak Ridge Semester** 1-6
Prerequisites: junior standing and admission to the program by the SCUU Selection Committee. Research performed through participation in the SCUU-Oak Ridge Semester Program under supervision of senior staff at Oak Ridge National Laboratory. (Same as Biology 399/Chemistry 399/Math 399.)
- 413. Electricity and Magnetism I** 3
Prerequisite: 211. A field treatment of electricity and magnetism, electrostatic fields and potentials, dielectrics, magnetic fields, electromagnetic induction, magnetic materials, energy in static electric and magnetic fields, Spring, yearly.
- 414. Electricity and Magnetism II** 3
Prerequisites: 413 and Mathematics 307 previously or concurrently. An advanced treatment of electric and magnetic fields based on Maxwell's equations, introduction to theories of dielectric and magnetic materials, static boundary value problems. Electromagnetic waves, wave guides, and other boundary value problems. Fall, yearly.
- 424. Modern Physics** 3
Prerequisites: 204, 304, 312, 414. An advanced treatment of selected principles of modern physics illustrating their importance in understanding the observed behavior of matter. Topics vary from year to year, and may include relativity, quantum mechanics, the solid state, and atomic and nuclear physics. Yearly.
- 495, 496. Independent Study** 1-6
Prerequisite: Consent of instructor. Guided independent study of a topic agreed upon by the student and any member of the department. Either a theoretical or an experimental subject may be

selected. Written reports or oral presentations may be required when appropriate. Credit may vary from one to six hours per semester. May be repeated for credit.

I-99. Interim Studies 3

Special topics offered in the January Interim.

Engineering

The Department of Physics and Engineering offers the basic courses necessary for the student to proceed successfully in the Combined Plan ("3-2") professional programs described elsewhere in this catalogue. These courses provide the fundamentals in scientific fields and professional engineering skills essential to the application of engineering principles in modern technology. Those interested in the Combined Plan B.A.-B.S. programs should consult Dr. White.

101. Engineering Drawing 2

Instruction in the proper care and use of drafting instruments, lettering, freehand sketching, orthographic projection, geometrics, dimensioning, section views, auxiliaries, working drawings, isometrics, tracing, and graphic solutions. Offered on demand.

103. Engineering Orientation and Graphics 3

Elementary design graphics as applied to the various fields of engineering. Application of the slide rule and electronic calculator to simple engineering problems. Study of the various fields of engineering professional responsibilities and characteristic problems of the profession. Yearly.

104. Blueprint Reading for the Building Trades 0

Instruction in blueprint interpretation for trades and construction personnel. Small homes, construction projects, detail construction, material lists, and industrial construction blueprints.

119. Architectural Graphics 2

A basic course in architectural drawing. Instruction in the fundamentals of architectural drawing, freehand sketching, lettering, design of simple objects, floor plans, and tracing of drawings.

120. Architectural Graphics 2

Prerequisite: Architectural Graphics 119. A continuation of course 119, with additional study of symmetry, design, and formation of a complete set of plans for a home or small business building. Time will be devoted to materials lists, blueprinting, and cost estimates.

142. Map Drafting and Plane Table Mapping 2

Instruction in map construction projections, reproduction, aerial photographs, composition, contours, ownership maps, plotting and sketching, types of maps and their uses. Plane table mapping. Plane table mapping in the field.

201-202. Advanced Engineering Drawing 2-2

Prerequisite: 103 or 251. Instruction in machine drafting and graphics, shop drawings, industrial projection drawings and dimensioning, costs, shades, shadows, detail and assembly drawings of complicated machine and scientific devices. Offered on demand.

211. Mathematical Methods of Physics and Engineering 4

Prerequisites: Physics 105, 115, and Mathematics 202. An introduction to basic mathematical methods and techniques used in the solution of physical problems with emphasis on physical problems rather

than theory. Topics solutions of differential equations, Laplace transforms, Fourier series, an introduction to methods of solving partial differential equations. Laboratory exercises are devoted to the discussion of particular problems and techniques in detail. Sufficient computer programming is taught to permit the effective use of the computer in solving problems. (Same as Physics 211.)

251. Descriptive Geometry 3

Prerequisite: 103. A study of lines, points, planes, three-dimensional problems, visualization, developments, intersections, shades, shadows, and graphic solution. Spring, yearly.

254. Engineering Design 3

Prerequisite: Physics 105. A course focusing on developing the decision-making skills as well as teaching specific concepts and principles. Students will be formed into project teams. Each team will then have the responsibility of collecting social, economic, and environmental and engineering facts concerning the assigned engineering project. The team will then make a series of decisions relating to the execution of the project's ultimate purpose based on these facts. Each team will be assigned several projects during the semester. Course format will be combined lecture and design laboratory periods. Yearly.

259. Plane Surveying 3

Prerequisite: Mathematics 107 or 108, previously or concurrently. Plane surveying. Use and care of field equipment used in surveying. Area computations, errors of measurement, and their correction. On demand.

Engineering 310. Corrosion Engineering 3

Prerequisites: Chemistry 101-102, or consent of the instructor. A course to introduce the student to the causes of and means to prevent the destruction or deterioration of a material because of reaction with its environment. The topics to be covered are: (1) corrosion principles as related to the electrochemical, environmental, and metallurgical aspects; (2) the principal forms of corrosion; (3) corrosion testing; (4) corrosion prevention. On demand.

Engineering 311. Intermediate Mechanics 3

Prerequisite: Engineering 211. A vector treatment of mechanics. Forces and moments, statics, and particle kinematics and dynamics. Work, kinetic and potential energy, impulse, and momentum. Orbits of a particle in a central force field. Yearly. (Same as Physics 311.)

Engineering 312. Dynamics 3

Prerequisites: Engineering 311 and Mathematics 307 previously or concurrently. Rigid body motion in three dimensions, generalized coordinates, Lagrange and Hamiltonian formulations. Vibrating systems and normal modes; mechanics of continuous media. Yearly. (Same as Physics 312.)

Engineering 320. Introduction to Material Science 3

Prerequisite: One year of introductory chemistry. A study of properties and behavior of materials based upon their cellular structure. Study is made of metals and their alloys, including their mechanical properties, and corrosion. The course includes study of ceramic basic (brick, concrete, etc.) structure and their application. The study of plastic material is included. The study of electrical and magnetic properties of material concludes the course. Yearly.

Engineering 321. Thermodynamics 3

Prerequisites: Engineering 211 and Mathematics 303 previously or concurrently. A study of the fundamentals of classical thermodynamics. Properties of a pure substance, work and heat, first and

second laws of thermodynamics, entropy, enthalpy, thermodynamic relations, mixtures, and solutions. (Same as Physics 321.) Yearly.

322. Mechanics of Solids 3
Prerequisite: Engineering 311. A study of the internal behavior of solids when subjected to externally applied forces and torques. Topics include: stress, strain and Hooke's Law, analysis of statically determinate and statically indeterminate beams and structures, torsion, beam deflections, combined stress, and column analysis. Yearly.

Engineering 324. Petroleum Engineering 3
Prerequisite: Geology 101 and 102 or the equivalent. A course devoted to the principles of fossil fuel well drilling and well completion. Topics to be covered in the course include: petroleum exploration methods, cable tool drilling, rotary drilling methods and equipment, physical properties of rotary drilling fluids, rotary drilling hydraulics, drill stem testing, well cementing and casing practices, and well completion. Yearly.

495, 496. Independent Study in Engineering 1-6
Prerequisite: Consent of instructor. Guided independent study of a topic agreed upon by the student and any member of the department. Either a theoretical or an experimental subject may be selected. Written reports or oral presentations may be required when appropriate. Credit may vary from one to six hours per semester.
I-99. Interim Studies 3
Special topics offered in the January Interim.

Astronomy

101. General Astronomy 3
A non-mathematical introduction to the concepts of modern astronomy. A study of the earth as a body in space and its relation to the remainder of the solar system and galaxy. Constellations, planets, stars, galaxies, star clusters, black holes, quasars, and other astronomical objects. Planetarium and observatory facilities available in the Shreveport area are used. Alternate years.
111. General Astronomy Laboratory 1
Prerequisite: Astronomy 101 previously or concurrently. Development of skills in evaluating astronomical data. When weather permits, laboratories will be held out-of-doors to observe constellations, planets, meteors, etc.

Psychology

Associate Professor Dulle, *Chairman*
Professor: Gwin
Associate Professor: Bettinger

The department is oriented toward the discipline of psychology as a scientific field of study while still recognizing the application of psychology to broad humanistic concerns. The courses in psychology focus, accordingly, on problems in understanding, prediction, and control of behavior. The courses are designed to provide students with a broad base in the

methodology and fundamental concepts in psychology in order to (1) prepare students for graduate studies, (2) prepare students for professions in which principles of psychology can contribute in significant ways, and (3) provide resources for those who wish to study psychology simply as a means of enriching their lives.

Major Requirements

For the Bachelor of Arts in psychology, thirty hours in psychology, as approved by the adviser, is required. Students who are considering psychology as a professional field should be prepared to continue their education at a graduate school. These students should consider Psychology 214, 303, and 324 as an essential part of their preparation. Psychology 311 is recommended for students interested in counseling and clinical work since recent advances in neurophysiology are important to clinical psychology.

A student may be admitted to the Department's Honors Program if he has attained junior standing and meets the other requirements. For details consult the department chairman.

101. General Psychology 3
Introduces the study of behavior in the areas of heredity, learning, motivation, personality, and behavior modification. Each semester.
211. Human Growth and Development 3
A study of the aspects of human behavior that change from conception through adulthood and the processes that account for the changes. A review of the major theories set forth to explain different aspects of human development is included.
214. Introduction to Research Methodology 3
The fundamental principles of scientific analysis of data and basic research methodologies applicable to the social sciences will be surveyed. Course will be offered yearly but will be taught by different departments involved in different years. (Same as Political Science 214, Sociology 214.)
221. The Exceptional Child 3
Emphasis on the processes which contribute to personality. Study of gifted, retarded, emotionally disturbed children, learning disabilities, hard-of-hearing, visually handicapped, culturally deprived, and other disabilities that require special services. Yearly.
303. Statistics for Behavioral Science 3
Prerequisite: Mathematics 105 or higher. The logic and application of standard statistical tests in the analysis of data. Topics include: descriptive statistics, statistical inference, correlation, T-test, and simple analysis of variance. Yearly. (Same as Sociology 303 and Political Science 303.)
305. Social Psychology 3
Prerequisite: Psychology 101 or Sociology 101. A theoretical and non-mathematical experimental approach to interpersonal interaction. Symbolic interaction, interest and exchange theory, group dynamics and process, ethnomethodology, and phenomenology. Yearly. (Same as Sociology 305.)

311. Physiological Psychology 3

A study of the physiological correlates of behavior. Emphasis on basic neuroanatomy, motor systems, sensory systems, sleep, attention, motivation, emotion, and physiological contributions to learning theory. Biology 111-112 strongly recommended. Yearly. (Same as Biology 311.)

312. Introduction to Psychological Tests 3

Prerequisite: Psychology 214. A study of the theories underlying psychological tests and scales, and of the interpretation and use of the data which they yield. Yearly.

324. Experimental Psychology 3

Prerequisite: Psychology 214 (may be taken concurrently). The student designs, conducts, and analyzes psychological experiments. The emphasis is on methodology employed in studying perception, motivation, and learning. Each semester.

325. Learning—Principles and Applications 3

Prerequisite: Psychology 101. An examination of current learning theories, experimental findings, and their applications. Techniques of behavioral modification are demonstrated. Yearly.

395, 396. Selected Topics in Psychology 3,3

Study of an area of psychology not covered in current offerings. Admission is by consent of instructor. No more than six hours may be earned in this course. Offered as needed.

411. History and Systems of Psychology 3

Prerequisite: Psychology 101 or permission of the instructor. A study of some of the important approaches to the study of psychology, both historical and contemporary. Yearly.

421. Abnormal Psychology 3

Prerequisite: Psychology 101 or permission of the instructor. A study of the major syndromes of behavioral disorders. Yearly.

422. Theories of Personality 3

Prerequisite: Psychology 101 or permission of the instructor. A study of selected research and theories in the field of personality. Yearly.

495, 496. Independent Study 1-6

Students taking Psychology Honors may earn credit with honors in this course through research, projects, or concentrated study of selected topics. Other students may pursue independent study and/or research for directed study in areas not satisfied in the regularly listed courses. The course may be repeated for credit with different topics. Approval of the department required.

I-99. Interim Studies 3

Special topics offered in the January Interim.

Religion

Associate Professor R. Taylor, *Chairman*

Professor: Pomeroy

Associate Professor: Emler

Lecturers: Lefkowitz, Scott, Stone

The Department of Religion attempts to lead students in serious philosophical and theological consideration of the question of humanity's origin, destiny, meaning, and purpose. The basic assumption

of the courses is that these questions are best dealt with in the Jewish-Christian history and writings.

Major Requirements for the B.A. in Religion

1. Thirty semester hours in religion courses including 103, 104, 307, 311 or 312, and 402.
2. Supportive courses as follows:
3 hours in Sociology
Psychology 101
Art 101
Philosophy-3 hours from among 301, 302 or 303
2 semesters in a foreign language
2 courses in English above the freshman level
3. No more than six semester hours of Christian education courses may be counted toward the fulfillment of the 30-hour requirement in religion.

Major Requirements for the B.A. in Christian Education

1. Fifteen semester hours in religion courses, including 103, 104, 307, 311 or 312, and 402.
2. Fifteen semester hours in Christian education courses including 251, 350, and 450 and 2 courses from among 355, 359, and 366.
3. Six more hours to be elected from among religion or Christian education courses.
4. Supportive courses as follows:
Psychology 211 and 1 additional course in Psychology
Sociology 202
Philosophy-3 hours from among 301, 302, 303
English 201

Specific guidance in areas of concentration in age levels (children, youth, adult) will be given by the student's adviser.

Transfer Work

Students proposing to transfer lower-level religion courses to Centenary should consult with the department chairman in order to determine if these courses have prepared them to enter upper-level course work in the department.

Pre-Theological Curriculum

Entrance requirements of seminaries and graduate schools of theology must be met with courses in addition to the requirements of the major and distributive

requirements. Therefore, students who plan such graduate or professional study should consult with a member of the Department of Religion before enrolling for work beyond the first semester of the freshman year.

Religion

101. Understanding Religion 3
An introductory survey that helps students become aware of the varied expressions of religion in our world, of how religion functions in persons and cultures, of some of the major concepts and symbols of various historic religions, and of the interrelationships between religion and other areas of human life. May not be used to satisfy major requirements. Yearly.
103. Old Testament Survey 3
Offered each semester.
104. New Testament Survey 3
Offered each semester.
203. History and Doctrines of Methodism 3
A study of the movement which affected the social and religious life of 18th-century England and which influenced the cultural, religious, and political development of America. Primary sources are the works of John Wesley, and secondary sources are recent interpretive biographies and histories of Methodism.
- 205, 206 Studies in Judaism 3,3
A study of Judaism as one of the major religious traditions of the West. The historical as well as the contemporary perspectives on Jewish literature, religious symbols, and life-styles will be explored.
209. The Contemporary Church 3
A study of the meaning, problems, and expressions of the Church in contemporary culture. Alternate years.
300. Practicum in Theological Integration (Junior) 1
Prerequisites: Religion 103 and 104 and consent of instructor. A theological practicum dealing with the integration of field placement, theological formation, personality formation. Offered each semester on a Pass/Fail basis only. May be elected for up to 4 semester hours if 401 is not taken for 2 hours. May not be counted on the major requirement. (Formerly 415.)
301. History of the Christian Church 3
A survey of institutional and theological developments in the Christian Church from its beginning to the twentieth century. The course will stress important people and the historical context of each period of the Church's history. Fall of 1981 and alternate years. (Same as History 301.)
303. Philosophy of Religion 3
A study of the problems of religious language and truth, the existence of God, and related religious concepts. Yearly. (Same as Philosophy 303.)
305. Prophets of Israel 3
A study of the prophetic movement and its historical background in Israel from the time of Moses until its close with the book of Jonah. Alternate years. (Formerly 306.)
307. Philosophy of Eastern Religions 3
A historical study of the fundamental philosophical concepts and ethical systems of Near and Far Eastern religions. Yearly. (Same as Philosophy 307.)

308. Sociology of Religion 3
An investigation of the contribution of religious symbolism to social organization, socialization, stratification, and change. The course examines the application of social theory, especially organization studies, to understanding religion as a social institution, particularly in the United States. Alternate years. (Same as Sociology 308.)
- 311, 312. Theology of New Testament Writers 3,3
Directs students in research and study to discover the theology of the earliest Christian writers as reflected in the literature of the New Testament. Form criticism and redaction criticism are used. Included in the first semester are the Synoptic Gospels and Acts. The second semester concentrates on the writings of Paul and John. Alternate years.
318. Renaissance and Reformation 3
Spring of 1983 and alternate years. (Same as History 318.)
- 395, 396. Selected Topics in Religion 3,3
A detailed study of an area in religion not normally covered in regular religion courses. To be taught on demand. Admission by consent of instructor. Individual topics may not be repeated for credit.
400. Practicum in Theological Integration (Senior) 1
Prerequisites: Religion 103 and 104 and consent of instructor. A theological practicum dealing with the integration of field placement, theological formation, personality formation. Offered each semester on a Pass/Fail basis only. May be elected for up to 4 semester hours if 401 is not taken for 2 hours. May not be counted on the major requirement. (Formerly 415.)
402. History of Christian Thought 3
Prerequisites: Religion 103 and 104 or consent of instructor. A study of the development of Christian thinking in various periods of the Church's history. Selections from Augustine, Aquinas, Luther, Calvin, Wesley, Schleiermacher, Kierkegaard, Barth, Tillich, and others will be utilized.
404. Wisdom Literature 3
Prerequisites: Religion 103 or consent of instructor. A study of the social, political, economic, and theological development of scribalism and wisdom in the ancient Near East. Exegesis will include canonical and deuterocanonical materials. The relationships of wisdom to other genres and social movements will be explored. Yearly. (Formerly 401.)
407. Twentieth-Century Theologies 3
Prerequisite: consent of instructor. A study of the major themes of theology since 1900 with concentration in a few significant theologians of that period. Yearly.
- 485R, 486R. Senior Seminar in Religion 3,3
Prerequisites: 103 and 104 or consent of instructor. An examination of major areas of scholarship in the field of religious studies. Up to six hours credit in separate topics. (Formerly 412.)
- 495, 496. Independent Study in Religion 1-6
Open to junior and senior students with the consent of the instructor and the chairman of the department. Weekly conference with instructor. The major portion of the study is composed of library and research work. A written thesis is required. Offered each semester or upon request.
- I-99. Interim Studies 3
Special topics offered in the January Interim.

Christian Education

- 001, 002. Church Careers Colloquium** 0
251. Introduction to Christian Education 3
 The historical and theological foundations of Christian education. Yearly. (Formerly 212.)
350. Religious and Moral Development 3
 Prerequisite: Psychology 211. A study of the religious and moral growth stages of the human personality from infancy through older adulthood. Utilizes the work of Piaget, Erikson, Fowler, Kohlberg, et al. Yearly. (Formerly 300.)
355. Children's Ministry 3
 Prerequisite: Psychology 211 and consent of instructor. Developing children's ministries in the local church. Consideration of various church education structures such as vacation church school and camping. Observation and participation in children's groups. (Formerly 314.)
359-360. Youth Ministry 3-3
 Prerequisite: Psychology 211. Understanding youth and their culture in relation to the religious life. Developing youth ministries in the local church. Observation and participation in youth groups. Yearly. (Formerly 309-310.)
366. Adult Ministry 3
 Prerequisite: Psychology 211 and consent of instructor. Developing models for adult ministries in the local church. Observation and participation in adult groups. (Formerly 316.)
401. Internship in Christian Education 1
 Prerequisite: Enrollment in Religion 350 and one of the age level ministries during the junior year. Supervised internship in the local church. May be elected for up to 2 semester hours. Offered each semester on a Pass/Fail basis only. May not count on the major requirement. (Formerly 413.)
450. Christian Education in the Local Church 3
 Organization and programs of Christian education in the local church. Study and use of curricular materials. Theories of leadership discovery and development and family life programs. Yearly.
485C, 486C. Seminar in Christian Education 3,3
 Prerequisite: Religion 212. Several topics not ordinarily covered in other courses. Especially related to resources for Christian education such as contemporary film, drama, literature, etc. Open to juniors with departmental approval. (Formerly 411.)

Sacred Music

Students who intend to pursue professional education for a position in a local church as choirmaster or choral director should pursue the Bachelor of Music (B.M.) degree with a major in Sacred Music. Specifics regarding this major are included in another section of this catalogue under the School of Music.

Most students pursuing church-related vocations are enrolled in the Church Careers Program, which is a part of the Department of Religion. For additional information see page 29 of the catalogue.

Sociology

Associate Professor Vetter, *Chairman*

Sociology devotes scientific study to the patterns of human interpersonal interaction. Students acquire facility in observation, research, theory, and application. Course work focuses on the major bodies of explanatory theory which have been developed to interpret large segments of human social behavior. Contemporary social movements and issues also receive attention. Majoring in sociology prepares the student for a) competent study and research in a graduate sociology program; b) admission to graduate study in professional degree and certification programs in such fields as social work, law, counseling, clinical sociology, clinically-oriented styles of ministry, occupational therapy, probation-parole and related helping professions, c) bachelor-level practice in a variety of socially-oriented helping professions, including social work, counseling, religious work, certain adjunct therapies, and juvenile and adult corrections, and d) skillful and knowledgeable performance in private business enterprise and public service.

Students with at least a 3.0 cumulative and sociology (10 or more hours in sociology) GPA are eligible for membership in Eta Chapter, Alpha Kappa Delta International Sociological Honor Society.

Recognizing the diversity of students' interests, professional goals, personal objectives, and educational purposes, the department advises majors to prepare a plan of study that provides extensive grounding in the various liberal arts as well as developing social scientific competence. All majors must complete Sociology 101, 305, and either 211 or 214. A total of not less than thirty semester hours is required in a major, including at least twelve semester hours from courses numbered 300 and above. Students planning graduate study in sociology should also complete Sociology 403, 415, and approved courses in statistics and computer science. Candidates majoring in sociology who have no desire to pursue a helping profession or seek a graduate degree in sociology or related fields of study should complete Sociology 112, 212, and 310. Students registering for advanced courses in the department should present proof of adequate background in social science theory and practice appropriate to the level of the course. Students are not permitted to register for Sociology 410 before consulting the department.

- 101. Introductory Sociology** 3
A general survey of sociological analysis and research stressing explanation in social science, the individual in social interaction, the nature of groups, and patterns of organization as exemplified by the analysis of a particular American social institution. Each semester.
- 112. Social Problems** 3
Application of sociological analysis and research to contemporary social problems. This course emphasizes the structural character of socially-defined problems seeking to define and interpret causes and consequences. Yearly.
- 202. Marriage and Family** 3
A sociological analysis of marriage and family behavior within contemporary American society. A study of the interactional aspects of marriage and family with major emphasis upon the American middle-class. Yearly.
- 211. The Sociology of Organizations** 3
The study of structure and process in large-scale organizations. Examines bureaucracy and related types of organization as well as inter-relationships of formal and informal organization. Each semester.
- 212. Social Deviance** 3
A structural approach to systematic non-conforming group behavior covering social change, subculture-culture conflict, labeling theory, anomie-alienation, social control. Yearly.
- 214. Introduction to Research Methodology** 3
The fundamental principles of scientific analysis of data and basic research methodologies applicable to the social sciences will be surveyed. Course will be offered yearly but will be taught by different departments involved in different years. May not be used to fulfill distributive requirements. (Same as Political Science 214, Psychology 214.)
- 221. Cultural Anthropology** 3
Prerequisite: Sociology 101. A study of modern theories of cultural anthropology, methods of research, and a comparative study of diverse systems of social organization.
- 231. Introduction to Social Work** 3
A survey of casework, group work, community organization, social analysis, intervention, and priority care. Detailed attention will be given to ethics and decision-making in engineered micro- and macro-social change.
- 295, 296. Selected Topics** 3,3
An intermediate study of a special topic not normally covered in regular sociology and anthropology courses. On demand.
- 303. Statistics for Behavioral Science** 3
Prerequisite: Mathematics 105 or higher. The logic and application of standard statistical tests in the analysis of data. Yearly. (Same as Psychology 303 and Political Science 303.)
- 305. Social Psychology (Same as Psychology 305.)** 3
Prerequisite: Permission of the instructor. A theoretical and non-mathematical experimental approach to interpersonal interaction. Symbolic interaction, interest and exchange theory, group dynamics and process, ethnomethodology, and phenomenology. Yearly.
- 307. Development of Social Thought** 3
Prerequisite: Permission of the instructor. A historical perspective in sociological thought. Major theorists studied include Marx, Weber, Durkheim, Michels, Veblen, Pareto, Parks, Schutz, Habermas, Znaniecki, Wirth. Contributions to the development of modern European sociological thought will be examined. Alternate years.

- 308. The Sociology of Religion (Same as Religion 308.)** 3
An investigation of the contribution of religious symbolism to social organization, socialization, stratification, and change. The course examines the application of social theory, especially organization studies, to understanding religion as a social institution, particularly in the U.S. Alternate years.
- 309. Social Stratification** 3
An analysis of the structuring of societies along social class and caste lines with particular application to the American situation. Includes theories and character of social class systems, research in stratification, differential class behavior, social mobility, power relationships, and castes and estate systems. Alternate years.
- 310. Criminal and Delinquent Behavior** 3
A study of crime and juvenile delinquency. Extent, causative factors, methods of treatment, and programs of prevention and control are covered. Alternate years.
- 311. Conflict** 3
An examination of causes, strategies, and forms of resolution of culture-subculture conflict. An emphasis is placed on minority-majority conflict, intra- and inter-class conflict, and conflict theory. Alternate years.
- 312. Demography** 3
The statistical study of populations and ecosystems, their size, distribution and composition. It is concerned with such matters as the changes over time in fertility, mortality, and migration, and with the variables related to these changes. Alternate years.
- 313. Community** 3
Reviews the development of community study and its research techniques from the Chicago School to the present, the problems of methodology and ethics, and the various concepts of "community" as a social dynamic or process. Alternate years.
- 322. Area Study in Anthropology** 3
Prerequisite: Sociology 101. Application of anthropological theory and methods to the comparative study of a particular cultural group, including emphasis on culture, institutions, and social development.
- 395, 396. Selected Topics in Sociology** 3,3
A detailed study of a specialized topic in sociology not normally covered in regular sociology and anthropology courses. On demand.
- 402. Urban Sociology** 3
Application of ecological and demographic methods to the study of urban and metropolitan development; sociological aspects of urban and metropolitan problems and planning. Alternate years.
- 403. Contemporary American Sociology** 3
Prerequisite: Permission of the instructor. A survey of contemporary American schools of sociology including functionalism, structuralism, symbolic interaction, exchange, role, conflict, community study, and radical.
- 414. Collective Behavior** 3
An analysis of the various forms of collective behavior (fads, panics, riots, social movements, etc.) and a detailed survey of the genesis, development, and decay of social movements and social revolutions. Alternate years.
- 415. Methods in Social Research** 3
Prerequisite: An approved statistics course. An examination of the interrelationship of theory, methodology, and sociological research techniques. Alternate years.

- 485, 486. Seminar** 3,3
Prerequisite: Permission of the instructor. An advanced study in research seminar format within a particular sociological specialty. Yearly.
- 495, 496. Independent Study** 3,3
Prerequisites: Permission of the department, submission of acceptable proposal, selection of adviser. Advanced library or original research in a well-defined topic of the student's choice, forming a logical part of his academic curriculum. On demand.
- I-99. Interim Studies** 3
Special topics offered in the January Interim.

Theatre/Speech

Associate Professor Buseick, *Chairman*
Assistant Professor: Folmer
Instructor: Hicks
Lecturer: Cofer

The Theatre/Speech Department offers a curriculum to serve three types of students: those who plan to attend graduate school, those who plan to teach, and those who plan to pursue a career in the profession or to use their training for vocational recreation.

The Theatre/Speech Department provides cultural enrichment for the College and the community through its production schedule, representing a "Theatre With A Purpose." Participation in the productions of the department is open to any student enrolled at Centenary College.

Major Requirements

Speech For the B.A. in speech, the major must complete thirty-six semester hours, including 101, 200, 201, 220, 300, 302, 309, and 404 and twelve semester hours elected from the following: 102-103, 111, 112, 203, 204, 205, 206, 211, 250, 303, 305, 307, 308, 310, 312, 350, 401, 402, 403, 405, plus six semester hours in a foreign language.

Theatre For the B.A. in theatre the major must complete thirty-six semester hours, including 102-103, 112, 203, 204, 205, 307, 308, 401, 402, and 404 and nine semester hours elected from the following: 101, 201, 206, 250, 302, 305, 310, 312, 350, 403, and 405, plus six semester hours in a foreign language.

Theatre/Speech Certification For the B.A. degree in theatre/speech with teacher certification, the student must complete the teacher certification requirements (see Department of Education in this catalogue), plus

thirty-six hours including 102-103, 111, 201, 203, 204, 205, 211 or 220, 300 or 309, 401, and 404 and nine semester hours elected from the following: 101, 112, 200, 206, 250, 302, 303, 305, 307, 308, 310, 312, 350, 402, 403, and 405, plus six semester hours in a foreign language.

- 001-002. Theatre Laboratory** 0-0
A practical experience related to productions, both performance and technical, for all theatre and theatre/speech certification majors for each semester in which they are registered in the College as theatre/speech majors.
- 101. Fundamentals of Voice and Diction** 3
Study of vocal usage and work designed to improve personal speech. Exercises in breathing, relaxing, pronunciation, and voice production. Yearly.
- 102-103. Voice for the Stage** 2-2
An intensive year-long study of the system of voice and speech evolved by Arthur Lessac, embracing the study of structural, tonal, and consonantal action, and the beginnings of their application to scene work. Yearly.
- 104. Workshop: Costume Construction** 1
Practical workshop in design and construction related to summer productions. Offered summers only.
- 105. Workshop Production: Technical** 1
Practical workshop in construction, lighting, and stage props as related to summer productions. Offered summers only.
- 106. Workshop: Make-Up** 1
A concentrated practical study of the basic techniques and application as applied to stage make-up. Offered summers only.
- 107. Workshop: Acting** 1
Principles of basic acting technique culminating in participation in special summer productions. Offered summers only.
- 111. Orientation to the Theatre** 3
A brief but comprehensive introductory view of the theatre examining all the elements that make it a Lively Art. Yearly.
- 112. Analysis and Criticism** 3
An introductory study of form and technique of dramatic literature. Yearly.
- 121-122. Ballet (beginning)** 1-1
Introduction to the fundamentals of classical ballet and vocabulary. (Same as P.E. 121-122.)
- 123-124. Tap (beginning)** 1-1
Basic tap technique and vocabulary. (Same as P.E. 123-124.)
- 125-126. Jazz (beginning)** 1-1
Introduction to basic modern jazz technique and vocabulary with emphasis on body placement and exercises to increase the flexibility of the body. (Same as P.E. 125-126.)
- 200. Public Speaking** 3
The development of oral communication skills employed in extemporaneous and impromptu speaking. Yearly.
- 201. Introduction to Interpretation** 3
Emphasis on voice development in relation to the study of esthetic and intellectual content of all types of literature. Yearly.
- 203. Acting: Movement** 2
A study of the body as one of the tools in acting. Work on scenes and creative expression through physical movement. Alternate years.

- 204. Acting: Improvisation** 2
Prerequisite: 203. An intellectual approach to acting through the discovery of the where, who, and what used to develop creativity and spontaneity in the actor. Alternate years.
- 205. Introduction to Technical Theatre** 3
A course in applied arts in staging, lighting, and scenery. Yearly.
- 206. Scene Design** 3
Prerequisite: 205. Introduction to the principles of design for the theatre. Alternate years.
- 211. Debate and Argumentation** 3
Study of the principles and practices of debate and argumentation. Offered on demand.
- 220. Discussion Practices** 3
Study of the principles of participation in panels, round-tables, symposiums, and forums, with emphasis also upon leadership in these forms. Alternate years.
- 240. Dance History** 3
A survey covering all forms of dance from primitive origins to the present day and its relationship and importance to the society.
- 241-242. Ballet (intermediate)** 2-2
Designed to increase the student's knowledge of ballet by extending his vocabulary of classical movement, with emphasis on the importance of precision and proficiency. (Permission of instructor required.)
- 243-244. Tap (intermediate)** 2-2
Concentration on riffs, pull-backs, wings, turns, and other specific advanced movements. (Permission of instructor required.)
- 245-246. Jazz (intermediate)** 2-2
In-depth exploration of basic jazz movements with emphasis on rhythmic patterns, dynamics, space, and levels. (Permission of instructor required.)
- 250. Historic Costume for the Stage** 3
A survey of dress, style, and design of personal scenic elements for theatrical production. Alternate years.
- 300. Advanced Public Speaking** 3
Prerequisite: 200. Concentrated study in more formal public address, with emphasis on rhetoric, logic, and audience psychology. Alternate years.
- 302. Advanced Literary Interpretation** 3
Prerequisite: 201. Techniques involved in platform reading, with program presentation of prose, poetry, and drama. Alternate years.
- 303. Acting: Character Development** 3
Through work with the dramatic text the student researches and applies philosophies of character development, using techniques of Stanislavski. Alternate years.
- 305. Stage Lighting and Sound** 3
Survey of light and sound for the communicative media. Alternate years.
- 307. History of the Theatre** 3
The development of the theatre from its beginning to 1800, including highlights of great dramatists and their works, and of production. Yearly.
- 308. History of the Theatre** 3
Prerequisite: 307. The development of the theatre from 1800 to the present, including highlights of great dramatists and their works, and of production. Yearly.

- 309. History of Public Address** 3
Survey of the development and influence of oral language from Greek to the present. Alternate years.
- 310. Communicative Media: Radio** 3
An extensive study of the general principles involved in the philosophy and theory of radio communication, with a study of its major areas of operation. Limited enrollment; approval of the department chairman is required. Alternate years.
- 312. Communicative Media: Television** 3
An extensive study of the general principles involved in the philosophy and theory of television communication, with a study of its major areas of operation. Limited enrollment; approval of the department chairman is required. Alternate years.
- 320. Ethnic Dance** 2
A survey with practical application and historical/geographical research of certain types of dance related to specific nationalities, e.g. Spanish, Oriental, Greek, etc.
- 350. Costume Design** 3
Prerequisite: 250. Emphasis on design principles and construction. Alternate years.
- 361-362. Ballet (advanced)** 2-2
Concentration on the performance aspects of ballet. Pointe work for women. Adagio and partner work for men. (Permission of instructor required.)
- 363-364. Tap (advanced)** 2-2
Exploration of various styles of jazz dance such as lyrical, rock, and musical comedy varieties with concentration on performance aspects and choreographic uses. (Permission of instructor required.)
- 365-366. Jazz (advanced)** 2-2
Exploration of various styles of jazz dance such as lyrical, rock, and musical comedy varieties with concentration on performance aspects and choreographic uses. (Permission of instructor required.)
- 370. Choreography and Composition** 3
Methods of choreography and dance notation. Emphasis on theoretical and creative concepts. (Permission of instructor required.)
- 401. Directing I** 3
Open only to senior speech or theatre majors. A study of the development of the director and his responsibilities in the theatre, together with a survey of production principles. One-act plays produced by members of the class. Yearly.
- 402. Directing II** 3
Prerequisite: 401. Script analysis and the application of researched theory into practical experience by means of directing scenes, one-acts, and cuttings. Yearly.
- 405. Acting: Styles** 3
Prerequisite: 303. A survey of acting styles in Greek, Medieval, Commedia dell'Arte, Renaissance, Neo-classical, Restoration, Romantic, Realistic, Satire and Epic Theatre, and Theatre of the Absurd. Alternate years.
- 485T, 486T. Seminar in Theatre** 3, 3
Prerequisite: Consent of instructor. Advanced courses arranged for the individual major's requirements. Each semester.
- 485D, 486D. Seminar in Dance** 3, 3
Advanced courses arranged for the individual needs and interests of the student. (Consent of instructor required.)

- 495T, 496T. Independent Study in Theatre** 1-6
Prerequisites: Junior or senior standing and consent of instructor. Designed for flexibility, this course is offered to meet the need of the individual student. Examples of projects: writing a thesis, mounting a production, developing a course of study, playwriting, research, and conference. Each semester.
- 495D, 496D. Independent Study in Dance** 1-6
Prerequisites: Junior or senior standing and consent of instructor. A specific project such as choreographing a musical play, writing a thesis, or presenting a dance concert as a choreographer and/or as a performer.
- I-99. Interim Studies** 3
Special topics offered in the January Interim.

Enrichment Opportunities

In keeping with its aim to provide breadth as well as depth in the student's academic experience, Centenary offers a variety of off-campus, exchange, travel, and field study programs. Additional information on any of the following may be obtained from the dean of the College.

The Centenary/Aarhus Exchange Program

By means of a unique exchange program Centenary faculty and students have the opportunity to teach and study at the English Institute of the University of Aarhus, Denmark. Because of this "sister institution" relationship between the two schools, students may earn credit at Centenary for courses completed at the University of Aarhus, without additional tuition and fees beyond those normally paid at Centenary College. Through this arrangement, participating Centenary students are enabled not only to study at a leading European university but also to travel on the continent while living in Denmark. The exchanges between the two institutions are for one semester only.

British Studies at Oxford Program

Centenary's membership in the Southern College University Union (SCUU), an educational consortium, enables Centenary students to participate in the British Studies at Oxford program during the summer. Each year a different period of Britain's historical and cultural development is studied under the direction of some of England's leading scholars. Students live and

study at St. John's College, Oxford, and have the opportunity to travel throughout Great Britain. Students who successfully complete this program receive course credit from Centenary.

University of London Program in Contemporary International Problems

Another SCUU summer program for Centenary faculty and students is the University of London-based program in Contemporary International Problems held at Birkbeck College. This focuses on social, economic, business, and political topics.

Oak Ridge Semester

A semester of study and research at Oak Ridge National Laboratory is available to qualified science students through the joint sponsorship of SCUU and the Energy Research and Development Administration. The Oak Ridge semester begins in early January and lasts sixteen weeks. The program is open to junior or senior majors in mathematics, chemistry, physics, biology, economics, and sociology.

CODOFIL

Centenary College is a member of the Consortium of Louisiana Universities and Colleges of CODOFIL (the Council for the Development of French in Louisiana). The Consortium sponsors both academic-year and summer study programs at Paul Valery University in Montpellier, France. Every year one or more \$1000 scholarships for the academic-year program are available to Centenary students who are legal residents of Louisiana. Centenary students who are Louisiana citizens are also eligible to apply for French government scholarships which pay all expenses (except airfare) for the month-long summer program. Academic credit earned through these programs is accepted as "in-residence" semester hours by Centenary.

Washington Semester Program

Selected students are permitted to spend one semester of their junior year at the School of Government and Public Administration of The American University in Washington, D.C. The purposes of the program are to provide an opportunity for students to observe their government in action, to perform individual research under careful supervision, and to exchange ideas with students from other institutions.

Participating students work on an individual project selecting three courses to complete the program. Projects and courses are chosen in consultation with the faculty adviser, and full credit for the semester is granted by Centenary.

Institute Allende

Centenary students may study at the Instituto Allende, San Miguel de Allende, Mexico, during the interim term. Course credit may be received in a number of different fields. Students live and study at the institution and have the opportunity to participate in various field trips to churches, museums, historical monuments, and colonial villages.

OTHER EDUCATIONAL RESOURCES

The Center for Economic Education

Centenary College has one of the four Centers in the Louisiana Council for Economic Education. The Louisiana Council is a member of the national Joint Council of Economic Education. The purpose of the Center is to work with the State Department of Education, the Joint Council, and the school districts of the area in conducting in-service workshops in the teaching of economics. A summer workshop is held each year at Centenary, which gives graduate credit to the participants. Current economic issues are studied as well as the economic principles behind these issues.

The Center for Management Development

The Center for Management Development at Centenary College conducts seminars of interest to the business community on such topics as human relations, marketing research techniques, plant safety, and women in management, as well as the yearly supervisory seminar. The Center also holds training programs for local businesses to assist the development of their employees for advancement. The dean of the School of Business is the director of the Center.

The Corporate Campus

Centenary offers off-campus classes for the convenience of those working in the business and industrial centers of Shreveport. This provides employees the opportunity to take coursework immediately following their work day.

Senior Adult Education

The Senior Adult Education Program at Centenary College offers short non-credit courses in the spring and fall to persons in the area who are sixty years of age or older. These courses cover a variety of subjects and are taught by Centenary professors and persons from the community of Shreveport and Bossier City.

The English Language Center

The English Language Center of Centenary College is an intensive program designed to provide the language skills and cultural orientation needed by international students who enroll in U.S. colleges and universities.



VII. College Directory

CENTENARY COLLEGE OF LOUISIANA BOARD OF TRUSTEES 1981-82

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J. Hugh Watson, Vice-Chairman
Austin G. Robertson, Treasurer
Elise Wheless Hogan (Mrs. Thomas E.), Secretary
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Harry V. Balcom (Shreveport)
Floyd C. Boswell (Lake Bluff, Ill.)
Mrs. Beynon S. Cheesman (Shreveport)
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Albert Sklar (Shreveport)
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J. Hugh Watson (Shreveport)

TERM EXPIRES IN 1983

William G. Anderson (Shreveport)
Harvey Broyles (Shreveport)
Mrs. E.J. Crawford, Jr. (Shreveport)
Benedict A. Galloway (Lake Charles)
Sam B. Grayson (Shreveport)
John Spencer Hardy (Shreveport)
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Hoyt Yokem (Shreveport)

EX OFFICIO MEMBERS

Bishop—J. Kenneth Shamblin
President—Donald A. Webb
President of Alumni Assn.—Wayne Curtis
President of Student Senate—Ford Williams
Chairman of Faculty Personnel and Economic
Policy Committee—Bradley McPherson
Faculty Representative—Charles Vetter

TERM EXPIRES IN 1984

Charles Ellis Brown (Shreveport)
William H. Broyles (Shreveport)
Mrs. C.O. Foil (Shreveport)
Mrs. John A. Hendrick (Shreveport)
H. Blume Johnson (Shreveport)
Thomas H. Matheny (Hammond)
Paul C. McDonald (Shreveport)
Loy Beene Moore (Shreveport)
George D. Nelson (Shreveport)
Richard L. Ray (Tyler, Texas)
Austin G. Robertson (Shreveport)
Ronald Sawyer (Shreveport)
Mrs. W. Peyton Shehee, Jr. (Shreveport)
N.H. Wheless, Jr. (Shreveport)
Harvey G. Williamson (Shreveport)
Herman Williamson (Shreveport)

LIFE MEMBERS

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H.L. Johns (Monroe)
Voris King (Lake Charles)
Mrs. Glenn E. Laskey (Ruston)
Carl F. Lueg (Lake Charles)
Bentley Sloane (Shreveport)
J. Robert Welsh (Shreveport)

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D.P. Hamilton (Shreveport)

ADMINISTRATION

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Donald A. Webb, Ph.D., President
 Ruby George, Secretary to the President and Assistant Secretary to the Board of Trustees

Office of the Vice President

Darrell M. Loyless, Ph.D., Vice President
 James L. Perkins, B.S., Director of Development
 Walter C. Stevens, M.A., Development Counselor
 Donald K. McDowell, M. Div., Director of Church Relations
 Christopher Webb, B.A., Director of Alumni Relations
 Janie Flournoy, B.A., Director of Public Relations
 Rosemary Spalding Morris, B.A., Research Assistant
 Elaine Hand, Secretary
 Dorothy Ricketson, Secretary

Office of the Dean

Dorothy B. Gwin, Ed.D., Dean
 Ira Lee Morgan, Ph.D., Associate Dean
 Marion Harrison, A.B., Secretary

Business Office

Jessie Outlaw, B.S., Business Manager and Comptroller
 Harold Bond, B.S., Treasurer
 Shirley Copes, Payroll Clerk
 Constance Sawyer, Secretary
 Merble Bennett, Students' Account Clerk
 Lilla B. Adams, Funds Desk Clerk
 Carolyn Sue Bryant, Accounts Payable Clerk
 Nikki Letmon, Key Punch Operator
 Melanie Koch, NDSL Clerk
 David Bentley, B.S., Bookstore and Post Office Manager
 Cornelia Brown, Switchboard Operator
 Dorothy Deaton, M.S., Cafeteria Manager

Office of the Dean of Students

Richard A. Anders, B.A., Dean
 Joy Jeffers, B.S., Assistant Dean

Jayne Trammell-Kelly, B.A.,
 Director of Student Activities
 Emily McWilliams, Secretary
 Dorothy Horton, Resident Director, Sexton Dormitory
 Brenda Cunningham, Resident Director, James Dormitory
 Sharon Tuttle, B.S., Resident Director, Hardin Hall
 La Fern Collins, Resident Director, Rotary Hall
 Paul McDowell, Resident Director, Cline Dormitory
 James Smith, Chief Security Officer
 Austin Tolliver, Security Officer
 Benn L. Carson, Security Officer
 John Hunter, Security Officer

Office of Admissions and Financial Aid

John Lambert, B.A., Director
 Andrew M. Shehee, B.A., Associate Director of Admissions
 Anita C. Martin, B.A., Assistant Director
 Kathryn O'Byrne, Assistant Director of Financial Aid
 Laura Gallagher, B.S., Admissions Counselor
 Robert Brown, M.A., Admissions Counselor/CSCC Program Assistant
 Kim Peterson, B.S., Project Coordinator
 Jeff Teter, B.A., Systems Analyst/Processor
 Muzette Gallagher, B.F.A., Financial Aid Counselor
 Sandra Garner, Admissions Secretary
 Stacie Guin, Admissions Secretary
 Roberta Lambrecht, B.A., Financial Aid Secretary

Office of the Registrar

R. Johnson Watts, A.M., Registrar
 Marilyn Trent, Secretary
 Margaret Hill, Records Clerk

Magale Library

James G. Volny, M.S.L.S., Director of Library Services
 Ella C. Edwards, M.S., Reference and Assistant Librarian
 Kathy J. Brown, M.L.S., Cataloguer
 Anna H. White, B.A., Head of Circulation Department

Nancy E. Middleton, B.S., Head of Acquisitions
 Mary W. Rademacher, A.L.A., Serials and
 Exchange Assistant
 Carolyn Garison, M.L.S., Music
 Librarian/Archivist
 Dorothy Hall, Aide

Meadows Art Museum

Willard Cooper, M.F.A., Curator
 Judy Godfrey, B.A., Program Director

School of Church Careers

Herbert M. Scott, B.D., Director
 Bentley Sloane, D.D., Coordinant of Pastoral
 Relations and Church Placement
 Margie Burns, Secretary

Athletic Department

Michael W. Carroll, M.Ed., Assistant Director
 James C. Farrar, Ed.D., Coach of Men's Baseball
 Thomas R. Canterbury, M.A., Coach of Men's
 Basketball
 Thomas R. Vardeman, M.A., Assistant Coach of
 Men's Basketball
 Michael J. St. André, M.Ed., Coach of Women's
 Basketball
 Royce Q. Shaw, Ph.D., Coach of Track and Cross
 Country
 Vannie Edwards, B.S., Coach of Women's
 Gymnastics
 Enos Russell, M.A., Coach of Soccer
 James Harrison, M.S., Coach of Tennis
 Terry Ann Finklea, Secretary

Senior Adult Education

Cora O. Sedlacek, B.S., Director

English Language Center

Dorothy Rambin, M.A., Director

Computing Center

David E. Thomas, Ph.D., Director
 Sherry Barefield, Manager

Academic Offices

Bettye B. Leslie, B.A., Faculty Secretary
 Florence M. Martin, B.S., Secretary to the
 English Department
 Daisy Duncan, Secretary to the Hurley School of
 Music
 Linda Williams, Secretary to the Education
 Department and Coordinator of Teacher Place-
 ment
 Angela McWilliams, Secretary to the
 Theatre/Speech Department

Buildings and Grounds

B.J. Buckner, Superintendent
 O.K. Brock, Assistant Superintendent
 Henry Raney, Assistant Superintendent
 Kathy Elliott, Warehouse Secretary
 Richard Rouse, Warehouseman
 Bill Norris, Chief, Air Conditioning and Heat
 Alexander Loreda, Assistant, Air Conditioning and
 Heat
 Leroy Gafford, Maintenance
 James Flakes, Maintenance
 Sam Downs, Maintenance
 Buddy Johnston, Maintenance
 W.G. Fuller IV, Maintenance
 Franklin David Eff, Gardener
 Lewis Jackson, Labor Foreman
 Henry Smith, Laborer
 Bobby Rax, Laborer
 Steve Clark, Laborer
 Robert Johnson, Laborer
 Sammy White, Laborer
 Clarence Hargrove, Laborer
 Herbert Reed, Housekeeping Supervisor and
 Meadows Museum Janitor
 Eddie Williams, Haynes Gymnasium and
 Library Basement Janitor
 Ervin Green, Smith Building and Brown Chapel
 Janitor
 Herman Rachal, Hurley Music Building Janitor
 H.R. Wallace, Magale Library Janitor
 Jimmy Blount, Marjorie Lyons Playhouse Janitor
 Raymond Mack, Gold Dome Janitor
 Willie Holland, Gold Dome Janitor
 Ouida Savannah, Hamilton Hall Maid
 John Hymes, Hamilton Hall Janitor
 Johnnie Burns, Moore Student Center Janitor
 Robert Hill, Mickle Hall Janitor
 Jessie Jett, Cline Dormitory Janitor

Wesley McDowell, Cline Dormitory Janitor
 Willie Mae Coleman, Hardin Hall Maid
 Betty Gafford, James Dormitory Maid
 Emily Brown, James Dormitory Maid
 Bernard Tyler, Rotary Hall Janitor
 Margaret Chitman, Sexton Dormitory Maid
 Sherman Myles, Jackson Hall Janitor

Faculty 1981-83

(The date in parentheses indicates the first appointment to the Faculty.)

Will K. Andress *Lecturer in Music and Director of Centenary College Choir*
 B.M., Centenary College, 1961; B.C.M., Southern Baptist Seminary, 1963; M.M., East Carolina University, 1969; D.M., Florida State University, 1971. (1974)

Mary Beth Armes *Associate Professor of Music*
 B.M., Eastman School of Music, 1963; M.M., Arizona State College, 1966; D.M.A., North Texas State University, 1974. (1970)

Charles T. Beaird *Adjunct Professor of Philosophy*
 B.A., Centenary College, 1966; Ph.D., Columbia University, 1972. (1969)

Connie Bernet *Lecturer in Music*
 B.M.E., Evangel College, 1967. (1980)

Lewis A. Bettinger *Associate Professor of Psychology*
 B.S., 1962, M.A., 1963, Ph.D., 1966, Ohio State University. (1972)

Michael N. Blackburn *Lecturer in Chemistry*
 B.S., Northern Illinois University, 1966; Ph.D., University of California, Riverside, 1971. (1980)

Kathy J. Brown *Instructor and Library Cataloguer*
 B.A., Louisiana State University-Shreveport, 1976; M.L.S., Louisiana State University, 1977. (1979)

Robert L. Buckner *Lecturer in Music*
 B.M., Loyola University, New Orleans, 1952; M.M., Oberlin Conservatory, 1956. (1959)

Robert R. Buseick *Associate Professor of Theatre and Speech and Chairman of the Department*
 B.S., Eastern Oregon College, 1955; M.F.A., University of Portland, 1964. (1969)

Virginia Carlton *Professor of Mathematics and Chairman of the Department*
 B.S., Centenary College, 1939; M.S., Tulane University, 1940; Ph.D., Northwestern University, 1959. (1946-48; 1957)

Constance Carroll *Lecturer in Music*
 B.M., University of Arizona, 1957; M.M. Eastman School of Music, 1959. (1969-74; 1979)

Frank M. Carroll *Professor of Music and Dean of the Hurley School of Music*
 B.M., Shenandoah Conservatory of Music, 1950; M.M., College of Music of Cincinnati, 1952; Ph.D., Eastman School of Music, 1960. (1969-74; 1979)

William Bailey Carter *Lecturer in English*
 B.A., Northwestern State University of Louisiana, 1973. (1977)

Carl L. Cathey *Instructor in Geology*
 B.S., 1970, M.S., 1973, Texas Tech University. (1979)

Harold R. Christenson *Assistant Professor of Economics and Director of the Economic Education Center*
 B.A., 1971, M.S., 1975, Ed.D., 1979, Oklahoma State University. (1980)

Delbert William Chumley, Jr. *Professor of Business*
 B.S., Louisiana Tech University, 1955; M.B.A., Southern Methodist University, 1969; Ph.D., University of Arkansas, 1975. (1976)

John Gregory Cofer *Lecturer in Speech*
 B.A., Centenary College, 1970; M.A., Louisiana Tech University, 1976. (1978)

Janet Colbert *Lecturer in Latin*
 B.A., Centenary College, 1974. (1981)

Phyllis Cooper *Lecturer in Music*
 B.S., Crane School of Music of State University of New York at Potsdam, 1946. (1972)

Willard Cooper *Professor of Art and Chairman of the Department*
 A.B., Centenary College, 1947; M.F.A., Escuela Universitaria des Belles Artes, Mexico, 1949. (1958)

John T. Cox, Jr. *Lecturer in Business*
 B.S., 1965, J.D., 1968, Louisiana State University-Baton Rouge. (1973)

L. Hughes Cox *Professor of Philosophy and Chairman of the Department*
 A.B., Wabash College, 1953; S.T.B., Boston University, 1956; M.A., 1959, Ph.D., 1963, Yale University. (1967)

Edward J. Crawford III *Lecturer in English and Foreign Languages*
 B.A., The University of the South, 1972; M.A., University of Texas, 1976. (1977)

Laura Crawford *Lecturer in Music and Director of the Suzuki Violin School*
 B.M., 1975, M.M., 1976, University of Texas. (1980)

Donald M. Danvers *Assistant Professor of Mathematics*
 B.A., 1956, M.A., 1958, Northwestern University. (1960)

Ronald E. Dean *Associate Professor of Music*
B.A., Williams College, 1954; M.M., University of Michigan, 1957. (1960)

Barbara Law Dowden *Instructor in Business*
B.S., 1964, M.S., 1966, Northwestern State University of Louisiana. (1979)

Mark E. Dulle *Associate Professor of Psychology and Chairman of the Department*
B.S., 1967, M.S., 1969, Memphis State University; Ph.D., Louisiana State University, 1978. (1969-1974, 1977)

Robert E. Eatman *Lecturer in Geology*
A.B., Centenary College, 1944; J.D., Louisiana State University, 1949. (1978)

Ella C. Edwards *Assistant Professor and Assistant Librarian*
B.A., Northwestern State College, 1968; M.S., Louisiana State University, 1973. (1973)

Vannie Edwards *Instructor in Physical Education*
B.S., Southeastern Louisiana College, 1959. (1964)

Janet K. Elrod *Lecturer in Education*
B.S., Baylor University, 1959; M.A., Louisiana State University-Shreveport, 1977. (1978)

Donald G. Emler *Associate Professor of Religion*
B.A., University of Missouri at Kansas City, 1960; M. Div., Garrett Theological Seminary, 1963; Ed.D., Indiana University, 1973. (1976)

James C. Farrar *Associate Professor of Physical Education and Chairman of the Department*
B.S., Louisiana Tech University, 1953; M.S., University of Arkansas, 1961; Ed.D., Northwestern State University of Louisiana, 1975. (1977)

Ginger D. Folmer *Assistant Professor of Theatre and Speech*
B.A., Centenary College, 1964; M.A., Syracuse University, 1967. (1975)

Donald Richard Foster *Assistant Professor of Military Science*
B.A., Northwestern State University of Louisiana, 1973; Captain, United States Army, 1977. (1981)

Elizabeth Friedenberg *Adjunct Professor of Art*
A.B., Centenary College, 1955; M.A., Stephen F. Austin State College, 1956. (1952)

Carolyn Garison *Instructor and Music Librarian/Archivist*
B.A., 1967, B.M., 1978, Centenary College; M.L.S., North Texas State University, 1980. (1980)

Joseph D. Garner *Professor of Education and Chairman of the Department*
B.S., 1949, M.S., 1950, Louisiana State University; Ed.S., Peabody College, 1961; Ed.D., University of Arkansas, 1967. (1967)

Russell J. Glasgow *Instructor in Physical Education*
B.A., Parsons College, 1967; M.A., Northeast Missouri State University, 1970; Ed.D., Northwestern State University of Louisiana, 1980. (1980)

Vickie Neely Gottlob *Associate Professor of French*
B.A., 1969, M.A., 1970, Ph.D., 1973, Florida State University. (1973)

Dorothy Bird Gwin *Professor of Education and Psychology and Dean of the College*
B.B.A., 1954, M.S., 1955, East Texas State University; Ed.D., University of Kansas, 1958. (1967)

Michael Lee Hall *Associate Professor of English and Chairman of the Department*
B.A., 1968, M.A., 1972, University of Texas at Austin; M.A., 1974, Ph.D., 1976, The Johns Hopkins University. (1976)

Gary Hallee *Assistant Professor of Physics*
B.A., Bowdoin College, 1972; M.S., University of Massachusetts, 1975. (1979)

Robert N. Hallquist *Professor of Education*
B.M., New England Conservatory of Music, 1950; M.A., Columbia University, 1959; Ed.D., University of Mississippi, 1968. (1967)

Alton O. Hancock *Professor of History and Chairman of the Department of History and Political Science*
A.B., Centenary College, 1954; B.D., 1957, Ph.D., 1962, Emory University. (On leave 1981-82) (1964)

Gaius N. Hardaway *Visiting Professor of Education*
B.S., Centenary College, 1949; M.Ed., University of Arkansas, 1954; Ed.D., University of Mississippi, 1969. (1977)

Walter B. Harris, Jr. *Professor of Military Science and ROTC Commandant*
B.S., Southern Mississippi, 1963; M.S., Jacksonville State University, 1971; Lieutenant Colonel, United States Army, 1968. (1981)

Debra E. Hicks *Instructor in Theatre/Speech*
B.A., Centenary College, 1977; M.P.A., Oklahoma City
University, 1979. (1979)

Roger D. Ivy *Instructor in Military Science*
Sergeant First Class, United States Army, 1980. (1981)

David H. Jackson *Assistant Professor of English*
A.B., Occidental College, 1975; M.A., 1976, M.Phil.,
1978, Ph.D., 1981, Columbia University. (1981)

Kay Strickland Johnson *Lecturer in Chemistry*
B.S., Centenary College, 1975. (1980)

Joseph Koshansky, Jr. *Instructor in*
History and Political Science
B.A., Eisenhower College, 1974; M.A., University of
Tennessee, 1977. (1979)

Earle Labor *Professor of English*
B.A., 1949, M.A., 1952, Southern Methodist University;
Ph.D., University of Wisconsin, 1961. (1955-62; 1966)

Robert Langton *Lecturer in Geology*
B.S., Centenary College, 1969. (1970)

Carney G. Laslie, Jr. *Adjunct Professor of*
History and Geography
B.A., University of Mississippi, 1936; M.A., The
American University, 1968. (1972)

David Lefkowitz, Jr. *Lecturer in Religion*
B.A., University of Cincinnati, 1932; Th.D., Pikes Peak
Seminary, 1952; D.D., Centenary College of Louisiana,
1956; D.D., Hebrew Union College, 1962. (1978)

Beth E. Leuck *Assistant Professor of Biology*
B.S., Michigan State University, 1973; M.S., 1975,
Ph.D., 1980, University of Oklahoma. (1980)

Edwin E. Leuck II *Assistant Professor of Biology*
B.S., Michigan State University, 1973; M.S., 1975,
Ph.D., 1980, University of Oklahoma. (1980)

Darrell M. Loyless *Associate Professor of*
Political Science and Vice President of the College
B.S., University of Texas, 1967; M.A., East Texas State
University, 1968; Ph.D., The American University,
1975. (1968-70; 1973)

George E. McGovern III *Assistant Professor*
of Business
B.A., Louisiana State University, Baton Rouge, 1971;
M.B.A., Mississippi State University, 1974. (1977)

Janet McKinney *Lecturer in Music*
B.F.A., University of South Florida, 1976; M.M.,
Northwestern University, 1978. (1978)

A. Bradley McPherson *Associate Professor of*
Biology and Chairman of the Department
B.S. Southeastern Louisiana College, 1960; M.S., Loui-
siana State University, 1967; Ph.D., Southern Illinois
University, 1971. (1971)

Michael L. Manes *Instructor in Mathematics*
B.S., Southwest Missouri State University, 1973. (1980)

David V. Middleton *Lecturer in Art*
B.S., Centenary College, 1949; M.Ed., Louisiana State
University, 1951. (1979)

Ira Lee Morgan *Willie Cavett and*
Paul Marvin Brown, Jr., Professor of English
and Associate Dean of the College
B.A., Hendrix College, 1949; M.A., University of Ten-
nessee, 1950; Ph.D., University of Florida, 1954. (1954)

Douglas W. Morrill *Assistant Professor*
of Economics
A.B., Oberlin College, 1938; A.M., University of
Chicago, 1940; Ph.D., Indiana University, 1976. (1977)

Barry N. Nass *Assistant Professor of English*
A.B., 1974, A.M., 1976, Ph.D., 1978, Princeton Univer-
sity. (1978)

Gail Johnson Odom *Lecturer in Music*
B.M., Northwestern University, 1975; M.M., Indiana
University, 1977. (1978)

Edmond M. Parker *Lecturer in Engineering*
and Professor Emeritus
of Engineering Sciences
B.S., Southeastern Oklahoma State College, 1946; M.S.,
East Texas State University, 1950. (1947)

Arnold M. Penuel *Associate Professor of*
Spanish and Chairman of the
Department of Foreign Languages
B.A., University of Tennessee, 1958; M.A., University of
the Americas, 1963; Ph.D., University of Illinois, 1968.
(1972)

Webb D. Pomeroy *T.L. James Professor*
of Religion
A.B., Centenary College, 1944; B.D., Union
Theological Seminary, 1946; Ph.D., University of Edin-
burgh, 1953. (1953)

Alicia Randisi *Lecturer in Music*
B.M., University of Cincinnati, 1978. (1979)

Judy Reynolds *Lecturer in Music*
B.M.E., 1972, M.M.E., 1973, Southwestern Oklahoma
State University. (1976)

Robert B. Reynolds *Professor in Music*
B.M., Oklahoma State University, 1950; M.M., Univer-
sity of Oklahoma, 1952; D.M., Indiana University,
1961. (1976)

William Riley *Instructor in Music*
B.M., Southern Methodist University, 1973; M.M.,
University of Illinois, 1979. (1979)

Anne Brown Rogers *Instructor in English*
B.A., University of South Carolina, 1966; M.A.T., Duke
University, 1967. (1979)

Donald Rupert *Professor of Music*
B.M., 1953, M.M., 1956, A.M.D., 1962, Eastman
School of Music. (1971)

Stanley Savant *Lecturer in Music*
B.M.E., 1971, M.M.E., 1973, Northwestern State
University of Louisiana. (1973)

C. Richard Scott *Instructor in Business*
B.S., Florida State University, 1969; M.A., Pepperdine
University, 1977. (1981)

Herbert M. Scott *Lecturer in Religion*
and Director of the School of Church Careers
B.A., Millsaps College, 1962; B.D., Asbury Theological
Seminary, 1966. (1974)

Rosemary Seidler *Professor of Chemistry*
B.S., Loyola University, 1961; Ph.D., Tulane University,
1966. (1966)

Nolan G. Shaw *William C. Woolf Professor*
of Geology and Chairman of the Department
A.B., Baylor University, 1951; M.S., Southern
Methodist University, 1956; Ph.D., Louisiana State
University, 1966. (1955)

Royce Q. Shaw *Assistant Professor of History*
and Political Science
B.A., Harvard University, 1970; M.A., 1973, Ph.D.,
1976, University of Virginia. (1980)

Samuel C. Shepherd, Jr. *Assistant Professor*
of History
B.A., University of Delaware, 1970; M.A., 1972, Ph.D.,
1980, University of Wisconsin-Madison. (1980)

Betty McKnight Spears *Associate Professor*
of Mathematics
A.B., 1946, M.A., 1947, Southern Methodist University.
(1947)

J. David Stone *Lecturer in Religion*
B.S., Louisiana Tech University, 1960; M.A., Scarritt
College, 1964. (1974)

B. Lee Sutton *Lecturer in Art*
B.A., 1951, B.I.D., 1951, Oklahoma State University.
(1964)

Robert Ed Taylor *Associate Professor of Religion,*
Chairman of the Department,
and Chaplain of the College
A.B., Centenary College, 1952; B.D., 1955, S.T.M.,
1970, Southern Methodist University. (1961)

Stanton A. Taylor *Professor of Chemistry*
and Chairman of the Department
B.S., Northwestern University, 1949; M.S., Iowa State
University, 1955; Ph.D., University of Oklahoma, 1965.
(1961)

Chandler Teague *Lecturer in Music*
B.M., Centenary College, 1974. (1979)

William C. Teague *Professor of Music*
B.M., Curtis Institute of Music, 1948. (1948)

David E. Thomas *Associate Professor of*
Mathematics and Director
of the Computing Center
B.S., Southeastern Louisiana University, 1969; M.S.,
1973, Ph.D., 1974, Tulane University. (1974)

Jeffrey F. Trahan *Associate Professor of Physics,*
Chairman of the Department, and Holder
of the Cornelius D. and Florence Gillard Keen
Chair of Physics
B.S., Tulane University, 1963; M.S., 1969, Ph.D., 1972,
Louisiana State University. (1972)

Charles E. Vetter *Associate Professor of Sociology*
and Chairman of the Department
B.A., Southwestern University, 1961; M.A., 1965,
Ph.D., 1975, North Texas State University. (1970-73;
1975)

James G. Volny *Associate Professor and*
Director of Library Services
B.S., Kent State University, 1953; M.S.L.S., Western
Reserve University, 1963. (1977)

Alvin C. Voran *Consultant in Choral Music*
and Professor Emeritus of Music
A.B., McPherson College, 1928; B.M., Chicago Conservatory
of Music, 1932; Mus.D., McPherson College,
1957. (1937)

Robert Johnson Watts *Associate Professor of*
German and Registrar
A.B., 1946, A.M., 1949, Duke University. (1965)

Donald A. Webb *Professor of Religion and*
President of the College
B.A., Ohio Wesleyan University, 1960; M.Div.,
Methodist Theological School, 1963; Ph.D., Drew
University, 1966. (1977)

Warren N. White *Gus S. Wortham*
Professor of Engineering
B.S., Louisiana State University, 1946; M.S., Southern
Methodist University, 1954; Ph.D., Tulane University,
1975. (1976)

Lidia Wilson *Lecturer in Latin*
B.A., Centenary College, 1977. (1978)

Jack E. Zahm *Lecturer in Business*
B.B.A., Canisius College, 1953; M.B.A., Louisiana
Tech University, 1976. (1977)

Robert C. Zawalski *Assistant Professor*
of Chemistry
B.S., Clarkson College of Technology, 1970; Ph.D.,
University of Georgia, 1976. (1979)

ENDOWED CHAIRS AT CENTENARY COLLEGE

The T.L. James Chair of Religion

In 1975, T.L. James and Company, Inc., of Ruston, Louisiana, endowed a Chair of Religion in memory of T.L. James, a long-time supporter of Centenary College and the United Methodist Church.

The Cornelius D. and Florence Gillard Keen Chair of Physics

In 1972, the Keen Chair of Physics was endowed by Dr. Cornelius D. and Florence Gillard Keen as a testimony of their belief in superior liberal arts education.

The William C. Woolf Chair of Geology

The William C. Woolf Chair of Geology was established in February 1977 by the Woolf Foundation of Shreveport. The Trustees of the Foundation requested that the Chair be named in honor of the late William C. Woolf, Shreveport oilman and civic leader.

The Gus S. Wortham Chair of Engineering

The Gus S. Wortham Chair of Engineering was established in 1978 by the Brown Foundation of Houston in honor of Gus S. Wortham, a Houston business and civic leader.

The Willie Cavett and Paul Marvin Brown, Jr., Chair of English

In April 1980, the Willie Cavett and Paul Marvin Brown, Jr., Chair of English was endowed by Mr. and Mrs. Paul M. Brown, Jr., as an expression of their commitment to church-related higher education.

Visiting Professors in Centenary/University of Aarhus (Denmark) Exchange Program

Karl-Heinz Westarp	Cand. Mag. (Aarhus) Lecturer
Jørn Carlsen	Cand. Mag (Aarhus) Lecturer
Donald Hannah	M.A., Ph.D. (Nottingham) Professor
Anders Iversen	Cand. Mag. (Aarhus) Lecturer

Woodrow Wilson Visiting Fellows from the Woodrow Wilson National Fellowship Foundation

Harold Agnew
Harlee Branch
William Walton Butterworth
Milton Viorst
John J. Powers
Godfrey Sperling
Sen. Margaret Chase Smith
Maj. Gen. William C. Lewis (USAF ret.)
Marion Stephenson
Lord Caradon
F. William McCalpin
William Dyal
Eugene Beem
Carlos Moseley
Gene Dahmen
Leo Grulow
Agnes Grulow
Howard Bird
Nicholas Delbanco

Professors Emeriti

B.P. Causey *Professor Emeritus of Music*
B.A., Northwestern State College, 1939; M.M., Northwestern University, 1954. (1941-1981)

Elmer Lee Ford *Professor Emeritus of*
Foreign Languages
A.B., 1915, M.A., 1916, Howard College; Docteur de
L'Université de Lyon, 1927. (1929-61)

Monas Harlan *Professor Emeritus of Music*
B.M., Westminster College, 1938; M.M., University of
Southern California, 1950. (1959-1977)

Edmond M. Parker *Professor Emeritus of*
Engineering Sciences
B.S., Southeastern Oklahoma State College, 1946; M.S.,
East Texas State University, 1950. (1947-72)

Woodrow W. Pate *Professor Emeritus of Economics*
A.B., Henderson State College, 1936; M.A., Louisiana
State University, 1938; Ph.D., University of North
Carolina, 1949. (1949-1977)

W. Ferrell Pledger *Professor Emeritus of Religion*
and Sociology
B.A., 1935, M.A., 1936, Southwestern University; B.D.,
Duke University, 1937; Ph.D., Hartford Seminary
Foundation, 1944. (1953-75)

Frances Mary Perkins Rabun *Professor Emerita*
of Music
A.B., 1944, B.M., 1947, Centenary College; M.M.,
Chicago Musical College, 1947. (1947-76)

Viva L. Rainey *Professor Emerita of History and Government*
B.A., 1934, M.A., 1947, University of Chicago; Ph.D., University of Madrid, 1961. (1964-1978)

Fariebee P. Self *Professor Emerita of Mathematics*
A.B., Northwestern State College, 1928; M.A., Louisiana State University, 1940. (1946-74)

Alvin C. Voran *Professor Emeritus of Choral Music*
A.B., McPherson College, 1928; B.M., Chicago Conservatory of Music, 1932; Mus.D., McPherson College, 1957. (1937-72)

Mary Wartens *Professor Emerita of Biology*
A.B., Shorter College, 1923; M.A., Ohio State University, 1925; Ph.D., University of Texas, 1943. (1927-71)

Scholarships

Aetna Life and Casualty Foundation Scholarship Grant. For women and minority students who, without such aid, might not be able to complete their educations.

Aldersgate United Methodist Church Scholarship. For students enrolled in Centenary School of Church Careers from Aldersgate UMC or New Orleans/Slidell District.

Grace Mims Allums Scholarship. For an entering freshman who has demonstrated scholarship and Christian leadership.

Altrusa Club of Shreveport Scholarship. For worthy students in need who are residents of Louisiana.

Centenary Alumni Scholarship. For incoming freshmen who demonstrate outstanding academic and leadership qualifications.

Centenary Art Department Scholarship. For a worthy art student selected by the chairman of the Art Department.

Asbury United Methodist Church Scholarship. For worthy students from Asbury UMC of Lafayette.

John B. Atkins, Jr., Memorial Scholarship. For a pre-med student with a high school average of 3.85 or better and in need of financial assistance.

Douglas Attaway Memorial Scholarship. For a student who shows a need. Special preference given to journalism students.

Callie Ann Cogdell Avery Scholarship. For an outstanding Methodist ministerial student in need of financial assistance.

Aurora United Methodist Church Scholarship. For worthy students in need of financial assistance. Preference given to members of the Aurora UMC.

Mary Susan Bailey Scholarship. For worthy students in need of financial assistance.

M.L. Bath-Rotary International Scholarship. Offered annually to a worthy foreign student who desires to study in this country.

Susan R. Bauguss Scholarship. For deserving women students.

The Rev. & Mrs. James L. Beasley Scholarship. For a student in the Department of Religion.

Blanchard Scholarship Fund. For a worthy student in need of financial assistance.

Joseph B. Bramlette Scholarship Fund. For an outstanding student majoring in English.

Don Brown Memorial Scholarship. For a student of ability, majoring in art, and in need of financial assistance.

Paul M. Brown Scholarship. For worthy students in need of financial assistance.

Harvey Broyles Scholarship. For worthy students in need of financial assistance.

R.S. Byron Scholarship. For students who demonstrate a need for financial assistance and are deserving.

Ruth C. Jones Cadwallader Choir Scholarship Fund. For a choir student from Mandeville, Louisiana.

Martha Cappel Memorial Scholarship. For outstanding students in financial need.

Nancy Carruth Scholarship. For a worthy student from Bunkie, Louisiana.

Centenary School of Church Careers Scholarship. For full-time students accepted into the Centenary School of Church Careers program.

Centenary Women's Club Scholarship. For an outstanding student in need of financial assistance. Recipient must maintain a 3.0 grade point.

Chemistry Department Scholarship. For outstanding chemistry majors.

T.C. & L.C. Clanton Memorial Scholarship. For an outstanding ministerial student scholastically worthy and in need of financial assistance.

Commercial National Bank Scholarship. For children of employees of the Commercial National Bank of Shreveport.

Clarence Coon Scholarship. For students of high academic standing enrolled in the journalism program and majoring in English.

Howard L. Daughenbaugh Memorial Scholarship. For young women interested in careers in Christian Education and full-time Christian service.

Bryant Davidson Memorial Scholarship. Preference given to needy student interested in philosophy.

J.A. Davis Scholarship. For worthy students in need of financial assistance who rank high scholastically.

Jones S. Davis Scholarship. For outstanding young women from the Baton Rouge area.

Dean's Scholarship. For incoming freshmen not eligible for President's Scholarships who have an ACT composite score of at least 24 (or corresponding SAT score) and a cumulative grade point average of at least 3.0.

Desk and Derrick Club Scholarship. For a deserving student majoring in geology.

Howard M. Elder Memorial Scholarship. For an entering freshman student affiliated with the Methodist Church. Preference given to education majors.

John B. Entrikin Scholarship. For a promising junior or senior majoring in chemistry with need for financial assistance.

Fab Steel (Quiz Bowl) Scholarships. Awarded to area high schools as a result of the school's participation in the Fab Steel - Centenary College Quiz Bowl.

Ernest & Grace Ferguson Scholarship. For worthy students in need of financial assistance.

First United Methodist Church of Lake Charles Scholarship. For students accepted into the Centenary School of Church Careers. Preference given to members of First UMC, Lake Charles.

First United Methodist Church of Minden Scholarship. For worthy students from First UMC of Minden interested in Christian ministry and Christian education.

First United Methodist Church of Monroe Scholarship. For worthy students from First UMC of Monroe or from the Monroe District.

Margaret W. Flourney Scholarship. For worthy students in need of financial assistance.

Dr. Elmer Lee and Mrs. Eva E. Ford Scholarship Fund. For an outstanding student majoring in French.

Dr. A.M. Freeman Scholarship. For a worthy black student in need of financial assistance.

Katherine J. French Memorial Scholarship. For a woman student of outstanding ability, majoring in English and intending to teach.

James Hill Fullilove Memorial Scholarship. For ministerial students in need of financial assistance.

E.B. Germany Scholarship. For worthy students in need of financial assistance.

Randy Greve Memorial Scholarship. For a student of high scholastic standing in need of financial assistance.

David Philip Hamilton Scholarship. For worthy students majoring in science in need of financial assistance.

Dean Hardin Memorial Scholarship. For worthy students in need of financial assistance.

Reginald H. Hargrove Memorial Scholarship. For a scholastically outstanding student in financial need.

Frances Andrews Harkrider Memorial Scholarship Fund. For worthy students in need of financial assistance.

Harmon Memorial Scholarship. For students of high scholastic standing in need of financial aid.

Virginia Palmer Harris Scholarship. For a worthy student in need of financial assistance.

Dorothy Ruth S. Heller Memorial Scholarship Fund. For students of high scholastic standing in need of financial assistance.

Mamie B. Hicks Scholarship. For piano students preferably from North Louisiana.

David Franklin Hinton Memorial Scholarship. For an outstanding student majoring in biology or another pre-med subject.

A.J. and Nona Trigg Hodges Scholarship. For members of the Centenary College Choir.

Perry Holloway Scholarship. For a worthy student in need of financial assistance.

Amanda Howell Memorial Scholarship. For needy students of high scholastic standing.

Ed E. & Gladys Hurley Scholarship. For worthy students in need of financial assistance, awarded by the dean of the School of Music.

Charles Moore Hutchinson Memorial Scholarship. For students in need of financial assistance.

James T. Jones Memorial Fund. For worthy students in need of financial assistance with preference given to handicapped students.

Jesse H. & Mary Gibbs Jones Scholarship. For worthy students in need of financial assistance.

Joseph H. & Julia B. Jordan Scholarship. For students of high scholastic standing in need of financial assistance, with preference given to ministerial students.

Lonnie B & Nellie P. Kilpatrick Memorial Scholarship. For assistance to worthy students; first consideration being given to members of the families of employees of Kilpatrick Life Insurance Company of Louisiana and Kilpatrick's Rose-Neath Funeral Home, Inc.

Retha Ramsdell Labry Scholarship. For an outstanding English scholar.

Joe O. & Edwin R. Lambert Memorial Scholarship. For ministerial students in need of financial assistance.

Philip Lieber-First Federal Savings and Loan Association Scholarship. For students majoring in economics or business with high scholastic achievement.

Thomas Loggins Scholarship. For a worthy student in need of financial assistance.

Louisiana Land and Exploration Scholarship. For students in need of financial assistance and of high scholastic achievement in the field of geology.

Walter M. Lowrey Memorial Scholarship Fund. For students from the Mansfield area.

Helen & Mark C. Magers Scholarship. For worthy students in need of financial assistance, with first preference given to Methodist ministerial students.

Mathematics Department Scholarship. For a student from the Mathematics Department.

Tom Matheny Scholarship. For students of high academic caliber.

Bruce McMillan, Jr., Foundation Scholarship. For full-time students in need of financial assistance with high scholastic achievement.

May Meadows Ministerial Scholarship. For worthy ministerial students of high scholastic standing, first consideration given to students from the Ruston District.

R. Thomas Merrill Memorial Fund. For worthy students majoring in foreign languages and English.

Joe Mickle Scholarship. For worthy students.

Richard Alan Millar Scholarship. For worthy students in need of financial assistance.

Hattie Lee Monkhouse Mellor Memorial Scholarship. For residents of Louisiana who maintain a "B" average and need financial assistance.

Edwin Moore Scholarship Fund.

Virginia Murphy Memorial Scholarship. For worthy students, especially those going into the teaching profession.

Music Department Scholarship. For students majoring in music.

Louis Leon Noel Trust Scholarship. For students majoring in music.

John G. O'Brien Scholarship. For worthy students.

Mae B. O'Brien Scholarship. For a worthy student in the field of music, awarded by the dean of the School of Music.

Ray Oden, Sr. (LB&T) Scholarship. For dependents of employees of Louisiana Bank and Trust.

Melanie Jean Perot Memorial Scholarship. For a woman student who is working her way through college and is in need of financial assistance.

Petro-Log, Inc. Scholarship. For children of employees of Petro-Log, Inc.

William G. Phelps Memorial Scholarship. For a worthy student in need of financial assistance. Preference given to members of the Shreveport Broadmoor Methodist Church.

Louis Henry Pirkle, M.D. Scholarship. For a deserving pre-med student.

Political Science Department Scholarship. For students majoring in political science.

G.W. Pomeroy Scholarship. For worthy students in need of financial assistance.

President's Scholarship. For incoming freshmen who have an ACT composite score of at least 28 (or corresponding SAT score) and have a cumulative grade point average of at least 3.0.

Presser Foundation Scholarship. For an outstanding music major, preferably one who plans to teach.

The Reader's Digest Foundation Scholarship. For worthy students in need of financial assistance.

Red Ball Oxygen Scholarship. For a resident of Caddo, Bossier, Bienville, Webster, Sabine, DeSoto, or Red River Parish in Louisiana; Harrison, Marion, Panola, or Shelby County in Texas; and Bradley, Arkansas, who will actively seek employment in the welding trade upon graduation.

Bell Ringgold Memorial Scholarship. For Louisiana students training to become teachers, with preference to students from Caddo Parish.

Minnie K. Ringgold Memorial Scholarship. For a student in the School of Music in need of financial assistance.

Peggy Rountree Memorial Scholarship. For an outstanding student in need of financial assistance.

Seagull Association Geological Scholarship. For a worthy freshman geology student with financial need.

Selber Brothers Scholarship. For a student of high scholastic standing studying toward a baccalaureate degree in business.

J.C. Sensintaffar Memorial Scholarship. For students from specified districts of the Louisiana Methodist Conference.

Shell Assist Scholarship Grant. For a worthy student majoring in biology.

Shreveport Geological Society Scholarship. For an outstanding geology student.

Rebecca Lynn Simmering Memorial Scholarship. For a female student in the Centenary School of Church Careers.

R.E. Smith Award Fund. For an outstanding ministerial student.

John W. Speir Memorial Scholarship Fund. For worthy students in need of financial assistance.

Mary Morel Steinau Memorial Scholarship. For a worthy student.

Stewart Memorial Scholarship. For ministerial students.

St. Paul's United Methodist Church of Monroe Scholarship. For worthy students from St. Paul's UMC of Monroe.

Hope Pierce Tartt Scholarship Foundation. For residents of certain Texas counties.

Dr. & Mrs. B.C. Taylor Scholarship. For students of outstanding scholastic achievement and in need of financial assistance.

Grace Reynolds Thayer Scholarship. For a worthy student, especially in the field of church careers.

N.O. Thomas Scholarship. For a worthy student in the field of business or petroleum land management.

Trinity United Methodist Church of Ruston Scholarship. For worthy students from Trinity UMC of Ruston.

William Tyrrell Scholarship. For worthy students with preference given to Afro-American students and students who demonstrate academic potential.

United Methodist Church-Baton Rouge/Hammond District Scholarship. For worthy students from the Baton Rouge/Hammond District of the UMC.

United Methodist Church-Baton Rouge/Lafayette District Scholarship. For students accepted into the Centenary School of Church Careers from the Baton Rouge/Lafayette District.

United Methodist Church-Ruston District Scholarship. For worthy students from the Ruston District.

United Methodist Church-Shreveport District Scholarship. For United Methodist students who are studying for some form of Christian ministry.

United Methodist Scholarship. For active members of the United Methodist Church with high scholastic standing. A 3.0 grade point must be maintained.

Universal Oil Products Scholarship. For upper-division chemistry majors.

E. Bernard Weiss Scholarship. For worthy students with preference given to pre-med students.

Wesley Men's Bible Class of First United Methodist Church, Alexandria. For students accepted into School of Church Careers from First UMC, Alexandria.

Wesley United Methodist Church of De Ridder. For worthy students from Wesley UMC of De Ridder.

Nena Plant Wideman Piano Scholarship. For incoming freshman students required to play three numbers from three different periods in music history.

Yoree Scholarship Fund. For worthy or needy student.

ACADEMIC CALENDAR 1981-82

Fall Semester, 1981

Pre-registration		
Faculty Conference	9:00 a.m.-4:30 p.m.	August 28
Dorms open for new students	10:00 a.m.	August 29
Orientation		August 29-30
Dorms open for returning students	1:00 p.m.	August 30
New student advising; registration for pre-registered students and graduate students	8:30 a.m.-6:30 p.m.	August 31

Registration for all others	9:00 a.m.-4:00 p.m.	September 1
Class work begins	8:20 a.m.	September 2
Labor Day Holiday		September 7
Last day for enrolling, adding courses, or changing sections		September 17
Mid-semester grades due	Noon	October 23
Last day for dropping courses or changing enrollment status		November 4
Pre-registration		November 16-24
Thanksgiving recess begins	2:10 p.m.	November 25
Thanksgiving recess ends	8:20 a.m.	November 30
Dead Week		December 7-11
Class work ends; last day for removing incomplete grades from preceding semester		December 11
Semester exams		December 14-18
Dorms close	5:00 p.m.	December 19

Interim, 1982

Interim registration		Sept. 8-Nov. 24
Dorms open	1:00 p.m.	January 5
Class work begins		January 6
Last day for enrolling or changing sections		January 9
Last day for dropping courses		January 16
Class work ends		January 26
Dorms close	5:00 p.m.	January 27
Interim grades due	Noon	February 9

Spring Semester, 1982

Dorms open	1:00 p.m.	January 31
Registration	8:30 a.m.-6:30 p.m.	February 1
Class work begins	8:20 a.m.	February 2
Last day for enrolling, adding courses, or changing sections		February 18
Mid-semester grades due	Noon	March 19
Last day for dropping courses or changing enrollment status		March 31
Spring recess begins	2:10 p.m.	April 2
Spring recess ends	8:20 a.m.	April 13
Pre-registration		April 14-22
Dead Week		May 13-18
Class work ends; last day for removing incomplete grades from preceding semester		May 18
Senior grades due	4:00 p.m.	May 18
Study Day		May 19
Semester exams		May 20-25
Baccalaureate and Commencement	2:30 p.m.	May 23
Dorms close	5:00 p.m.	May 26

Summer Session, 1982

Dorms open	1:00 p.m.	June 13
Registration		June 14
Four-week courses meeting		
1 hr. 55 min. daily		(A) June 15-July 9
		(B) July 12-Aug. 6
Eight-week courses meeting		
55 min. daily		June 15-Aug. 6
Nine-week courses		June 15-Aug. 13
Independence Day Holiday		July 5
Last day for enrolling or changing sections		
June 15-July 9 courses		June 18
July 12-Aug. 6 courses		July 16
Eight- and nine-week courses		June 22
Last day for dropping courses or changing enrollment status		
June 15-July 9 courses		June 23
July 12-Aug. 6 courses		July 20
Eight- and nine-week courses		July 1
Dorms close	5:00 p.m.	August 14

ACADEMIC CALENDAR 1982-83**Fall Semester, 1982**

Pre-registration		
Faculty Conference	9:00 a.m.-4:30 p.m.	August 27
Dorms open for new students	10:00 a.m.	August 29
Orientation		August 28-29
Dorms open for returning students	1:00 p.m.	August 29
New student advising; registration for pre-registered students and graduate students	8:30 a.m.-6:30 p.m.	August 30
Registration for all others	9:00 a.m.-4:00 p.m.	August 31
Class work begins	8:20 a.m.	September 1
Labor Day Holiday		September 6
Last day for enrolling, adding courses, or changing sections		September 16
Mid-semester grades due	Noon	October 22
Last day for dropping courses or changing enrollment status		November 3
Pre-registration		November 15-23
Thanksgiving recess begins	2:10 p.m.	November 24
Thanksgiving recess ends	8:20 a.m.	November 29
Dead Week		December 6-10
Class work ends; last day for removing incomplete grades from preceding semester		December 10
Semester exams		December 13-17
Dorms close	5:00 p.m.	December 18
Interim, 1983		
Interim registration		Sept. 7-Nov. 23
Dorms open	1:00 p.m.	January 4

Class work begins		January 5
Last day for enrolling or changing sections		January 8
Last day for dropping courses		January 15
Class work ends		January 25
Dorms close	5:00 p.m.	January 27
Interim grades due	Noon	February 8

Spring Semester, 1983

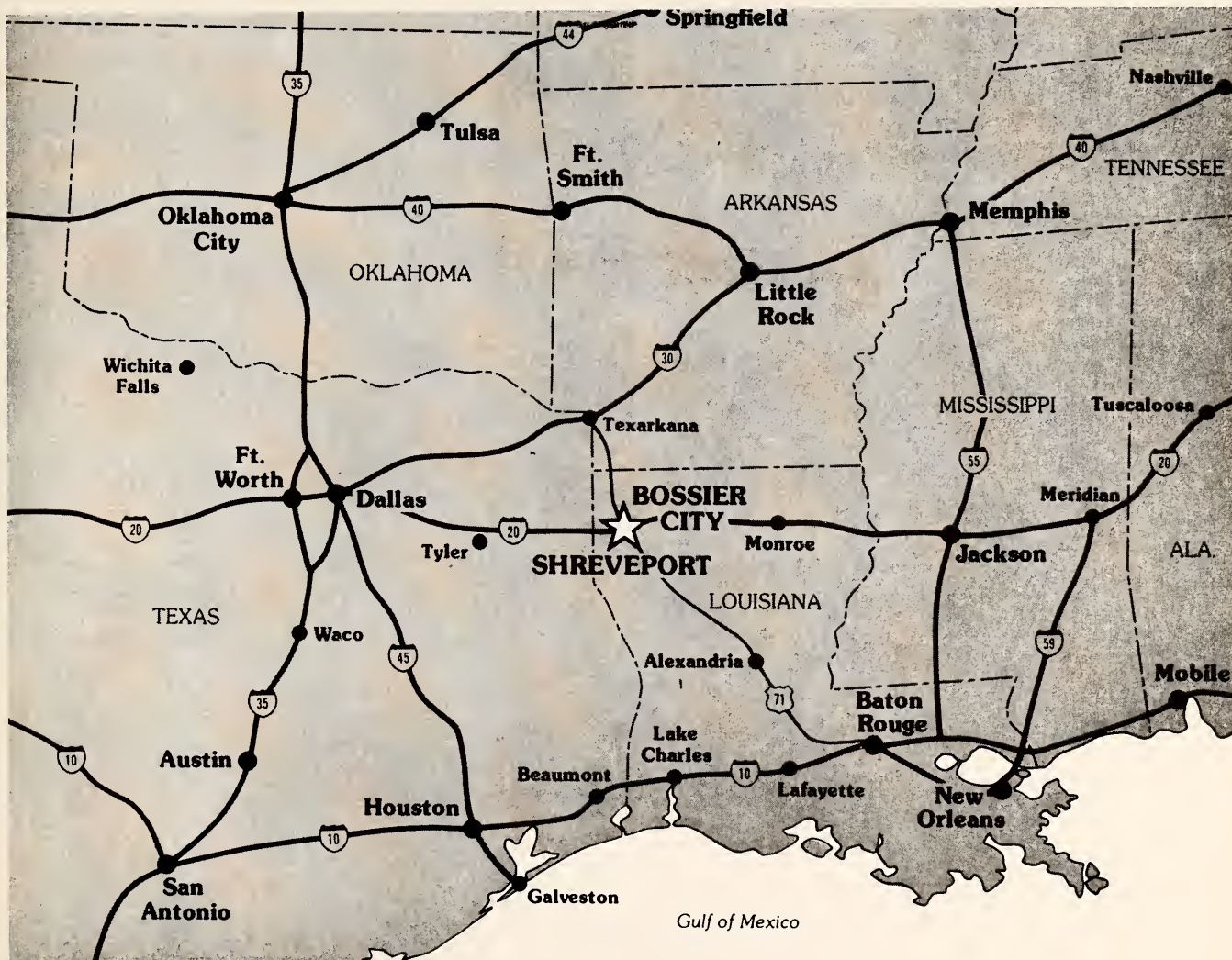
Dorms open	1:00 p.m.	January 30
Registration	8:30 a.m.-6:30 p.m.	January 31
Class work begins	8:20 a.m.	February 1
Last day for enrolling, adding courses, or changing sections	<i>M.G. Holidays</i>	<i>FEB 14, 15</i>
Mid-semester grades due	Noon	February 17
Last day for dropping courses or changing enrollment status		March 18
Spring recess begins	2:10 p.m.	March 23
Spring recess ends	8:20 a.m.	March 25
Pre-registration		April 5
Dead Week		April 13-21
Class work ends; last day for removing incomplete grades from preceding semester		May 12-17
Senior grades due	4:00 p.m.	<i>14, 19</i>
Study Day		May 17
Semester examinations		May 17
Baccalaureate and Commencement	2:30 p.m.	May 18
Dorms close	5:00 p.m.	May 19-24
		<i>May 22</i>
		<i>May 25</i>

Summer Session, 1983

Dorms open	1:00 p.m.	June 12
Registration		June 13
Four-week courses meeting		
1 hr. 55 min. daily		(A) June 14-July 8
		(B) July 11-Aug. 5
Eight-week courses meeting		
55 min. daily		June 14-Aug. 5
Nine-week courses		June 14-Aug. 12
Independence Day Holiday		July 4
Last day for enrolling, adding courses, or changing sections		
June 14-July 8 courses		June 17
July 11-Aug. 5 courses		July 15
Eight- and nine-week courses		June 21
Last day for dropping courses or changing enrollment status		
June 14-July 8 courses		June 22
July 11-Aug. 5 courses		July 19
Eight- and nine-week courses		June 30
Dorms close	5:00 p.m.	August 13

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Visitors are welcome at Centenary College. The Office of Admissions is open from 8:30 a.m. until 4:00 p.m. on weekdays. Visitors should write or telephone well in advance for appointments during these hours. Special appointments may also be made in advance for Saturday mornings.

The Centenary campus is located two miles south of downtown Shreveport. The Shreveport International Airport has regularly scheduled flights on American, Delta, Frontier, and Royale Airlines. Inter-city bus transportation is provided by Trailways Intercity Bus System; intra-city bus transportation, by the Spotran Transit System.

For further information write to the director of admissions:

Centenary College
P.O. Box 4188
Shreveport, Louisiana 71104

The telephone number of the Office of Admissions is: 318/869-5131



**Centenary College of Louisiana
Shreveport, Louisiana 71104**